COMPANY SANITITED!

**\$EPA** 

Form Approved
OMB No. 2010-0019
Approval Expires 12-31-89

90-890000 316 WHID: 53

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Comprehensive Assessment Information Rule

REPORTING FORM

# Sanitzed

When completed, send this form to:

Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460 Attention: CAIR Reporting Office

For Agency Use Only:
Date of Receipt:
Pocument Control Number:
Docket Number:

Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m)	Building Width(m)	,
						*****	
				<del>,</del>			
tina.			,				
•							
				•			
-	• •						
· · · · · · · · · · · · · · · · · · ·							
				•			
, <del></del>							
<sup>1</sup> Height o	f attached	or adjacent	building				
_		r adjacent b					
			gnate vent t	vpe:			
H = Hori:							
V = Vert				e .			
				•			
	•			•			
	•						

## CAIR REPORTING FORM CHECKLIST

# THIS CHECKLIST IS NOT REQUIRED TO BE SUBMITTED, IT IS FOR RESPONDENT'S INTERNAL USE ONLY

This form is intended to gather information on a specific listed substance that is manufactured, imported, or processed at one facility. Respondents must answer only those sections or specific questions required in the CAIR rule.

Respondents may use the same form each time they must report. The original copy of the form received by respondents should be kept on file and used to make copies of the questions required to be answered. These copies may then be circulated to those employees who will complete the form. Respondents must submit only one copy of each question rather than compiling parts of each question from various employees and submitting them together as one question.

Respondents need only supply information on the form that is "known to or reasonably ascertainable by" the respondent. Refer to the glossary for this definition. All reports with incomplete responses will be assessed as invalid and a Notice of Noncompliance Error Letter and a copy of the question will be sent to you for completion.

Before completing any portion of this form, please read the instruction booklet. The booklet contains general instructions on how to comply with the rule, supplemental instructions and sample answers for many questions, and a glossary containing definitions of key terms. Refer to the glossary whenever an unknown term appears to examine the definition provided.

If you cannot determine your reporting obligations, you should call the TSCA Assistance Office, U.S. EPA, at (202) 554-1404. To obtain additional forms, write to the TSCA Assistance Office (TS-779), ATTN: CAIR Form Request, Office of Toxic Substances, Environmental Protection Agency, Room E-543, 401 MSt., SW, Washington, DC 20460, or call at (202) 554-1404.

# BEFORE RETURNING YOUR COMPLETED CAIR FORM PLEASE CHECK THE POLLOWING:

1.	Have you completed and included Section 1 for each form you are submitting?
2.	Have you submitted a standard chemical name and Chemical Abstract Service Registry Number for each chemical you are reporting on?
3.	Does your submitted form include the original certification signatures as required for questions 1.06, 1.07, and 1.08?

4.	Have you submitted a completed separate form for each substance you are required to report on?
5.	Have you submitted a completed separate form for each site at which you manufacture, import, or process a listed substance?
6.	For each listed substance you must report on, have you reported on all activities you engage in at each site using the listed substance on the same reporting form?
7.	If you are claiming information as Confidential Business Information (CBI), have you completed the CBI substantiation form in Appendix II of the form for each category containing CBI? Failure to submit a completed CBI substantiation form with a reporting form containing CBI will result in the waiver of your claim of confidentiality.
8.	For each question that you are required to answer, have you responded by either providing the data, stating not applicable ("N/A"), or, if the question permits, stating unknown ("UK")?
9.	Have you right justified your responses to questions asked that require respondents to give a numeric response in a series of boxes (e.g., the answer "372" is entered as [0][0][3][7][2])?
10.	Have your responses been given in alpha, numeric or alpha-numeric form such as 3 million or 3,000,000? Responses must not be given in scientific notation such as $3 \times 10^6$ .
11.	If you needed additional space to report the required data, have you checked the continuation sheet box at the bottom of each page that requires additional space; attached additional copies of the specific questions of this form that contain additional information; and listed the attachments in Appendix I of the reporting form?

		SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION
PART	A	GENERAL REPORTING INFORMATION
1.01	Th	ais Comprehensive Assessment Information Rule (CAIR) Reporting Form has been
<u>CBI</u>	co	mpleted in response to the <u>Federal Register</u> Notice of [ <u>]</u> ] <u>2</u> ] [ <u>7</u> ] <u>2</u> ] [ <u>7</u> ] <u>7</u> ] wo. day year
[_]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal
		Register, list the CAS No[0]조]6]4]기기-[6]조]-[5]
	ъ.	If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the <u>Federal Register</u> .
		(i) Chemical name as listed in the rule NJA
		(ii) Name of mixture as listed in the rule
-		(iii) Trade name as listed in the rule
	<b>c.</b>	If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.
		Name of category as listed in the rule
		CAS No. of chemical substance [_]_]_]_]_]_]_]_[_]
		Name of chemical substance
1.02 CBI		entify your reporting status under CAIR by circling the appropriate response(s).
<u>, —</u> ,		
·,		orter 2
		cessor
		manufacturer reporting for customer who is a processor4
	X/P	processor reporting for customer who is a processor
	iark	(X) this box if you attach a continuation sheet.

1.03	Does the substance you are reporting on have an "x/p" designation ass in the above-listed <a href="Federal Register">Federal Register</a> Notice?	
CBI	Yes	
[_]	No	to question 1.0
1.04 CBI	a. Do you manufacture, import, or process the listed substance and d under a trade name(s) different than that listed in the Federal R Circle the appropriate response.	istribute it egister Notice?
(_)	Yes	
	b. Check the appropriate box below:	
	[_] You have chosen to notify your customers of their reporting	obligations
-	Provide the trade name(s)	
		•
	[] You have chosen to report for your customers	•
	[] You have submitted the trade name(s) to EPA one day after the date of the rule in the Federal Register Notice under which reporting.	
1.05	If you buy a trade name product and are reporting because you were not reporting requirements by your trade name supplier, provide that trade	ified of your name.
CBI	Trade name Lupranate T80, Mondue TD-80,	TD
[_]	Is the trade name product a mixture? Circle the appropriate response.	
	Yes	
	No	
1.06	Certification The person who is responsible for the completion of t sign the certification statement below:	his form must
<u>CBI</u>	"I hereby certify that, to the best of my knowledge and belief, all in entered on this form is complete and accurate."  JAMES H. TACKER ones Helpown	formation (2989
L.	Vert Cast le rem 1/16 (213) 266 - 6422 TITLE TELEPHONE NO.	DATE SIGNED
[_] }	Mark (X) this box if you attach a continuation sheet.	

CBI	Exemptions From Reporting If you have provided EPA or another Federal agency with the required information on a CAIR Reporting Form for the listed substance within the past 3 years, and this information is current, accurate, and complete for the time period specified in the rule, then sign the certification below. You are required to complete section 1 of this CAIR form and provide any information now required but not previously submitted. Provide a copy of any previous submissions along with your Section 1 submission.				
	information which I have not in	best of my knowledge and belief, and company serving form and is current, accurate, and comp	n has been submitted		
	NAME	SIGNATURE	DATE SIGNED		
	TITLE	TELEPHONE NO.	DATE OF PREVIOUS SUBMISSION		
1.08 <u>CBI</u>	certify that the following state those confidentiality claims when the company has taken measures	•	ipply to all of		
t <u></u> 1	been, reasonably ascertainable using legitimate means (other ta judicial or quasi-judicial prinformation is not publicly available.	bese measures; the information is measures; the information is measures; the information is measures; the information is measured than discovery based on a showing of the information is measured in the information of the information is measured in the information in the information in the information is measured in the information	not, and has not inment bodies) by of special need in usent; the of the information		
[_]	been, reasonably ascertainable using legitimate means (other ta judicial or quasi-judicial prinformation is not publicly available.	hese measures; the information is not by other persons (other than gover than discovery based on a showing of roceeding) without my company's containable elsewhere; and disclosure of my company's competitive position	not, and has not inment bodies) by of special need in issent; the of the information i."		
[_]	been, reasonably ascertainable using legitimate means (other ta judicial or quasi-judicial prinformation is not publicly available.	these measures; the information is not by other persons (other than gover than discovery based on a showing of roceeding) without my company's containable elsewhere; and disclosure of my company's competitive position Signature	not, and has not inment bodies) by of special need in issent; the of the information i."		
[_] [	been, reasonably ascertainable using legitimate means (other ta judicial or quasi-judicial prinformation is not publicly available.	these measures; the information is not by other persons (other than gover than discovery based on a showing of roceeding) without my company's containable elsewhere; and disclosure of my company's competitive position Signature	not, and has not inment bodies) by of special need in issent; the of the information i."		
[_] U	been, reasonably ascertainable using legitimate means (other ta judicial or quasi-judicial prinformation is not publicly available.	these measures; the information is not by other persons (other than gover than discovery based on a showing of roceeding) without my company's containable elsewhere; and disclosure of my company's competitive position Signature	not, and has not inment bodies) by of special need in issent; the of the information i."		

B CORPORATE DATA
Facility Identification
Name [H]][][][][][][][][][][][][][][][][][][
Address [3]0]9]5]5]13]ANTIONTIONTIONTIONTIONTIONTIONTIONTIONTIO
(田)至1至1至1至1至1二1二1二1二1二1二1二1二1二1二1二1二1二1二1二
[ <u>ट</u> ] <u>म</u> ] [ <u>व]</u> <u>म</u> ] <u>[</u> ] <u> </u> ] <u> </u> ] <u> </u>   <u>Zip</u>
Dun & Bradstreet Number
EPA ID Number
Employer ID Number
Primary Standard Industrial Classification (SIC) Code
Other SIC Code[ <u>3</u> ] <u>6</u> ] <u>9</u>
Other SIC Code
Company Headquarters Identification
Name [H]T]C]Z]C]Z]J]=S]P]R]T]N]G]S]=]O]P]=]C]A]=]=]
Address [2]3]5]
(田)丁(三)区(区)区(文)□1□1□1□1□1□1□1□1□1□1□1□1□1□1□1□1□1□1□1
[ <u>지</u> [] [고ς[ <u>7</u> ] <u>0]   [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] [ - [ 0] ] [ - [ 0] [ -</u>
Dun & Bradstreet Number[ <u>0]</u> [ <u>3]</u> [ <u>3]</u> ]-[ <u>6]</u> [ <u>8]</u> 5] <u>0</u> ]
Employer ID Number[ <u>5][]</u> ] <u>[ 1] [ 1] [ 1] [ 1] [ 1] [ 1] [ 1] [ </u>

1.11		
	11 Parent Company Identification	
<u>CBI</u>	U Name [I] [[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[	1_1_1_1_
	City	
	[지][] [고][][][][][][][][][][][][][][][][][	
1.12	12 Technical Contact	
( <u></u> )	Title (乙)可见印[[][[][[][]][]][[][][]][][][][][][][][	
	City	
	[ <u>N</u> ] <u>こ</u> ] [ <u>コ</u> [ <u>3</u> ][ State Zip Telephone Number	
1.13	Telephone Number	7519141 

1.14	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller:
CBI	Name of Seller [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	$\begin{bmatrix} - \end{bmatrix} - \begin{bmatrix} - $
	Employer ID Number
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
1.15	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer:
CBI	Name of Buyer [ ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	(_)_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_
	[_]_] [_]_]_]_]_]]]]]]]]]]
	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
	Tark (X) this box if you attach a continuation sheet.

Classification CONFIDENTIAL	Quantity (kg
CONTIDENTIAL	
Manufactured	
Imported	···· _ <del>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </del>
Processed (include quantity repackaged)	WA
Of that quantity manufactured or imported, report that quantity:	• <u>•</u>
In storage at the beginning of the reporting year	WA
For on-site use or processing	NA
For direct commercial distribution (including export)	···· NA
In storage at the end of the reporting year	NA
Of that quantity processed, report that quantity:	
In storage at the beginning of the reporting year	NA
Processed as a reactant (chemical producer)	
Processed as a formulation component (mixture producer)	Lin
Processed as an article component (article producer)	<del></del>
Repackaged (including export)	
In storage at the end of the reporting year	777
	જ ંવન

17 Mixture If the listed subsor a component of a mixture, chemical. (If the mixture coeach component chemical for a I	provide the following in Omposition is variable, r	required to report is a mixture of formation for each component report an average percentage of Average % Composition by Weight
Component	Supplier	(specify precision,
Name	Name	$e.g., 45\% \pm 0.5\%$
<u> </u>		
		**************************************
		•
		Total 100%
•		

2.04	State the quantity of the listed substance that your facility manufactured, imported or processed during the 3 corporate fiscal years preceding the reporting year in descending order.
CBI	CONTIDLIVITAL
( <u>J</u> )	Year ending
	Quantity manufactured k
نَـ	Quantity imported k
٠	Quantity imported
• .	Year ending
	Quantity manufactured kg
	Quantity manufactured
·	Quantity processed Kg
	Year ending [_]_] [_]_Mo. Year
•	Quantity manufactured
	Quantity imported kg
	Quantity processed kg
2.05 CBI	Specify the manner in which you manufactured the listed substance. Circle all appropriate process types.
<u> </u>	Continuous process
	Semicontinuous process
	Batch process 3
<u></u>	Mark (X) this box if you attach a continuation sheet.

2.06 CBI	Specify the manner in appropriate process t	which you processe ypes.	ed the listed substance	. Circle all
[_]	Continuous process .	• • • • • • • • • • • • • • • • • • • •		
	Semicontinuous process	, 5/4b 5/69	K Blyuzethane +	om No
	Batch process	Rebono CA	K Blyuzethane to	
2.07 CBI	State your facility's substance. (If you are question.)	name-plate capacit re a batch manufact	y for manufacturing or curer or batch processor	processing the listed , do not answer this
	Manufacturing capacity	,	••••••	kg/y
	Processing capacity .	•••••	••••••	kg/y
2.03 <u>CBI</u> [_]	manufactured, imported	, or processed at	e quantity of the liste any time after your cur based upon the reportin	rent corporate fiscal g year's production . Processing
	Amount of increase	Quantity (kg)	Quantity (kg)	Quantity (kg)
		— Landyna (	-	
	Amount of decrease			
		•		
[_]	Mark (X) this box if yo	ou attach a continu	ation sheet.	

CBI		CONFIDENTIAL	Daya/Yoor	Average Hours/Day
131	•.		Days/Year	nout s/ Day
	Process Type #	l (The process type involving the largest quantity of the listed substance.)		
•	Doly une hance	Manufactured		
	Form May	quantity of the listed substance.)  Manufactured	<del></del> >	
	Dla 1 Carlo	! (The process type involving the 2nd largest quantity of the listed substance.)		•
	PAD MET.	Manufactured		-
	J	Processed		
	<u>'-</u>		_ / \	
	Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)		
		Manufactured	<del> </del>	
		Processed		
			-6 Ab- 14-4	
CBI	State the maxim substance that chemical.	um daily inventory and average monthly inventory was stored on-site during the reporting year in	the form of	a bulk
CBI	substance that chemical.	was stored on-site during the reporting year in	the form of	a bulk
CBI	substance that	was stored on-site during the reporting year in	the form of	a bulk kg
CBI	substance that chemical.  Maximum daily in	was stored on-site during the reporting year in	the form of	a bulk
CBI	substance that chemical.  Maximum daily in	was stored on-site during the reporting year in	the form of	a bulk
2.10 CBI	substance that chemical.  Maximum daily in	was stored on-site during the reporting year in	the form of	a bulk

j	etc.).	to the product (e.g., c		material, reacti	on product,
	CAS No.	Chemical Name	Byproduct, Coproduct or Impurity <sup>1</sup>	Concentration (%) (specify ± % precision)	Source of By products, Co products, or Impurities
•					-
				•	
	<sup>1</sup> Use the feller	ing codes to desire to			
	Use the follow  B = Byproduct	ving codes to designate	byproduct, copro	duct, or impurity	:
	<pre>C = Coproduct I = Impurity</pre>				
					•

[ <u>]</u> ] Mari	(X)	this	pox	i.	you	attach	а	continuation	sheet.
-------------------	-----	------	-----	----	-----	--------	---	--------------	--------

[_]	quantity of listed substantisted under column b., and the instructions for furth	nd the types of her explanation	end-users for each i	product type. (Refer to
	Product Types	b. % of Quantity Manufactured, Imported, or Processed	% of Quantity Used Captively On-Site	Type of End-Users <sup>2</sup>
		0 3	, 3	CM
	"Use the following codes t  A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Ac Sensitizer D = Inhibitor Stabilizer/Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sec G = Cleanser/Detergent/Detergent/Detergent H = Lubricant/Friction mod agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesis	celerator/ Scavenger/ questrant greaser difier/Antiwear	L = Moldable/Casta M = Plasticizer N = Dye/Pigment/Co O = Photographic/Re and additives P = Electrodeposit: O = Fuel and fuel a R = Explosive chem: S = Fragrance/Flave T = Pollution conti U = Functional flui V = Metal alloy and W = Rheological most	icals and additives or chemicals rol chemicals ids and additives d additives
	<sup>2</sup> Use the following codes to I = Industrial CM = Commercial	CS = Cons		

2.13 <u>CBI</u> [_]	import, or process usicorporate fiscal year. import, or process for substance used during used captively on-site	For each use, speeach use as a percentage of each product type.	eance at any time a ecify the quantity entage of the tota Also list the qu the value listed	You expect to manufacture
	a.	b.	c.	đ.
	Product Types <sup>1</sup>	% of Quantity Manufactured, Imported, or Processed	% of Quantity Used Captive On-Site	ly Type of End-Users <sup>2</sup>
	<pre>"Use the following code A = Solvent B = Synthetic reactant C = Catalyst/Initiator     Sensitizer D = Inhibitor/Stabiliz     Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction     agent I = Surfactant/Emulsif J = Flame retardant K = Coating/Binder/Adh</pre>	/Accelerator/ er/Scavenger/ /Sequestrant /Degreaser modifier/Antiwear ier	L = Moldable/Cast M = Plasticizer N = Dye/Pigment/C 0 = Photographic/ and additives P = Electrodeposi Q = Fuel and fuel R = Explosive che S = Fragrance/Fla T = Pollution con U = Functional fl V = Metal alloy a W = Rheological m	tion/Plating chemicals additives micals and additives vor chemicals trol chemicals uids and additives nd additives odifier
	<sup>2</sup> Use the following code I = Industrial CM = Commercial	CS = Cons		
[_]	Mark (X) this box if you	u attach a continua	tion sheet.	

2.14 CBI	Final Product Com manufactured, import substance other than	plete the following t ed, or processed at y as an impurity.	able for each type o our facility that co	f final product ntains the listed
[_]	<b>a.</b>	b. N	Average %	d.
	Product Type <sup>1</sup>	Final Product's Physical Form <sup>2</sup>	Composition of Listed Substance in Final Product	Type of End-Users <sup>3</sup>
	1 Use the following co  A = Solvent  B = Synthetic reacta  C = Catalyst/Initiat Sensitizer  D = Inhibitor/Stabil Antioxidant  E = Analytical reages  F = Chelator/Coagulas  G = Cleanser/Deterges  H = Lubricant/Frictic agent  I = Surfactant/Emuls:  J = Flame retardant  K = Coating/Binder/Acc  2 Use the following coccurred	nt or/Accelerator/ izer/Scavenger/ nt ot/Sequestrant ot/Degreaser on modifier/Antiwear ifier Thesive and additives	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Col O = Photographic/Re and additives P = Electrodepositi Q = Fuel and fuel a R = Explosive chemi S = Fragrance/Flavo T = Pollution contr U = Functional flui V = Metal alloy and W = Rheological mod X = Other (specify)	cals and additives r chemicals ol chemicals ds and additives additives ifier
	A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry Fl = Powder	F2 = Crys F3 = Gran F4 = Othe G = Gel	talline solid ules	
	Use the following cod I = Industrial CM = Commercial	CS = Consu		
	fark (X) this box if y	ou attach a continuat	ion sheet.	

2.15 CBI	Circ list	cle all applicable modes of transportation used to deliver bulk shipments of ted substance to off-site customers.	the							
[_]	Truc	:k								
	Railcar									
	Barg	e, Vessel	• •							
	Pipeline Plane									
	Othe	r (specify)	• •							
2.16 CBI	or p	omer Use Estimate the quantity of the listed substance used by your custorepared by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed substance used by your customers during the reporting year for use under each categories during the control of the listed (i-iv).	omers gory							
[_]	Cate	gory of End Use								
	i.	Industrial Products	•							
		Chemical or mixture	kg/yı							
	- -	Article								
	ii.	Commercial Products								
	-	Chemical or mixture	kg/yı							
			kg/yı							
	iii.	Consumer Products								
		Chemical or mixture	kg/yr							
-			kg/yr							
	iv.	Other								
		Distribution (excluding export)	kg/yr							
			kg/yr							
			kg/yr							
			kg/yr							
[_]	Mark	(X) this box if you attach a continuation sheet.								

PAKI	T A GENERAL DATA CUNFIDENTIAL		
3.01 CBI	for each major source of supply listed. Product to The average price is the market value of the product substance.	rades are treated a	s purchases.
	Source of Supply	Quantity (kg)	Average Frice (\$/kg)
	Source or Suppry	h i A	- (O/Kg)
	The listed substance was manufactured on-site.		
	The listed substance was transferred from a different company site.	NA	
	The listed substance was purchased directly from a manufacturer or importer.		<b>.</b>
	The listed substance was purchased from a distributor or repackager.	WA	
	The listed substance was purchased from a mixture producer.	NA	•
.02 BI	Circle all applicable modes of transportation used to your facility.	to deliver the list	ed substance to
_]	Truck		1
	Railcar		(2)
	Barge, Vessel		3
	Pipeline		44
	Plane		5
	Other (specify)		6

<u> </u>	•	Circle all applicable containers used to transport the listed substance to facility.	yo
_}		Bags	• •
		Boxes	
		Free standing tank cylinders	
		Tank rail cars	
		Hopper cars	
		Tank trucks	
		Hopper trucks	
		Drums	
		Pipeline	
		Other (specify)	
b.		If the listed substance is transported in pressurized tank cylinders, tank r cars, or tank trucks, state the pressure of the tanks.	a
		Tank ovlindors	
-		Tank cylinders	•
· <u>-</u>		Tank rail cars	
		Tank rail cars	. 1
		Tank rail cars	. 1
		Tank rail cars	. 1
		Tank rail cars	. 1
		Tank rail cars	
		Tank rail cars	
		Tank rail cars	

[\_] Mark (X) this box if you attach a continuation sheet.

3.04 <u>CBI</u>	average perc	n the listed s re, the name o ent composition xture processe	or its suppl on by weight	lier(s) or t of the ]	manufacti listed subi ing year.	HTAT(C) an A	etimata .	af eka
	Trade Name	<u>e</u>	Supplier Manufactu		% Comp by V	position Weight % precision)	Proc	nount cessed g/yr)
							<del></del>	
								•
								-
		•						
				•				
		-						

### PART C RAW MATERIAL VOLUME

# CONFIDENTIAL

3.05 State the quantity of the listed substance used as a raw material during the reporting year in the form of a class I chemical, class II chemical, or polymer, and the percent composition, by weight, of the listed substance.

[ ] Mark (X) this box if you attach a continuation sheet.

SECTION 4 PHYSICAL/CHEMICAL PI	<b>≀OPERTIES</b>	
--------------------------------	------------------	--

#### General Instructions:

If you are reporting on a mixture as defined in the glossary, reply to questions in Section 4 that are inappropriate to mixtures by stating "NA -- mixture."

For questions 4.06-4.15, if you possess any hazard warning statement, label, MSDS, or other notice that addresses the information requested, you may submit a copy or reasonable facsimile in lieu of answering those questions which it addresses.

substance in the final	factured, imported, or product form for manufac	cturing activities, at	e purity of the
	Manufacture	Import	Process
Technical grade #1	% purity	% purity	799.5 % pur
Technical grade #2	% purity	% purity	% pur
Technical grade #3	% purity	% purity	% puri
substance, and for ever	ly updated Material Safe y formulation containing	the listed substance.	. If you posse
substance, and for ever an MSDS that you develo version. Indicate whet appropriate response,	y formulation containing ped and an MSDS develope her at least one MSDS ha	the listed substance. d by a different sources s been submitted by ci	. If you posse ce. submit your ircling the
substance, and for ever an MSDS that you develo version. Indicate whet appropriate response,	y formulation containing ped and an MSDS develope her at least one MSDS ha	the listed substance. d by a different sources s been submitted by ci	. If you posse ce. submit your ircling the
substance, and for ever an MSDS that you develo version. Indicate whet appropriate response.	y formulation containing ped and an MSDS develope her at least one MSDS ha	the listed substance. d by a different source s been submitted by ci	If you posse ce. submit your ircling the
substance, and for ever an MSDS that you develowersion. Indicate whet appropriate response	y formulation containing ped and an MSDS develope her at least one MSDS ha	the listed substance. d by a different source s been submitted by ci	If you posse ce. submit your ircling the
substance, and for ever an MSDS that you develowersion. Indicate whet appropriate response	y formulation containing ped and an MSDS develope her at least one MSDS ha	the listed substance d by a different source s been submitted by ci	If you posse ce. submit your ircling the
	import the substance, of Technical grade #1 Technical grade #2 Technical grade #3	Import the substance, or at the point you begin   Manufacture  Technical grade #1 % purity  Technical grade #2 % purity  Technical grade #3 % purity	Import the substance, or at the point you begin to process the subst    Manufacture

# MATERIAL SAFETY | BASE Corporation Chemicals Division

100 Cherry Hill Road, Parsippany, New Jersey 07054, (201) 316-3000

**BASF** 

DATA SHEET

HMIS: H4 F1 R1

PRODUCT NUMBER: 585622

LUPRANATE\* T80-Type 2

TRADE NAME: L	UPRANATE* T80-Type 2				
CHEMICAL NAME:	Toluene Diisocyan	ate			
SYNONYMS: T	DI; Tolylene Diisocy	anate FOR	MULA:	CH,C,H, (NC	0) 2
CHEMICAL FAMIL	Y: Aromatic Isocyana	tes		MOL. W	GT.: 174.16
	SECTIO	ON II - ING	DEDIEN	ITC	
				1	
CO	MPONENT	CAS NO.	%	PEL/	TLV - SOURCE
LUPRANATE* T80-T	ype 2		100	Not esta	ablished
2,4 Toluene Diis	ocyanate .	584-84-9	80	0.005 pp 0.02 ppr 0.02 ppr	om ACGIH STEL, ACGIH Ceiling, OSHA
2,6 Toluene Diis	ocyanate	91-08-7	20		
•					• • • • • • • • • • • • • • • • • • •
	ect. 313: Listed. re in TSCA inventory.				
			1		
OILING/MELTING P	SECTION DINT @760 mm Hg: 484	III - PHYS	ICAL D		
	DINT #760 mm Hg: 484°		pH: N/		(Air=1): 6.0
APOR PRESSURE mm	DINT #760 mm Hg: 484° Hg #20 C: 0.01		pH: N/ Vapor	/A	
APOR PRESSURE mm	DINT @760 mm Hg: 484° Hg @20 C: 0.01 DR BULK DENSITY: 1.	F/ N/A	pH: N/ Vapor	/A Density	
APOR PRESSURE mm PECIFIC GRAVITY ( OLUBILITY IN WAT	DINT @760 mm Hg: 484° Hg @20 C: 0.01 DR BULK DENSITY: 1.	F/ N/A	pH: N/ Vapor	Density ing Point:	
PPEARANCE: CO	DINT #760 mm Hg: 484° Hg #20 C: 0.01 DR BULK DENSITY: 1. ER: Water Reacts	PF/ N/A 22  ODOR: Pungent	pH: N/ Vapor Freezi	Density Ing Point:	51.8-53.6°F : Strong
PECIFIC GRAVITY OF COLUBILITY IN WATE PEARANCE: CO.	DINT @760 mm Hg: 484° Hg @20 C: 0.01 DR BULK DENSITY: 1. ER: Water Reacts Horless Liquid	PF/ N/A 22  ODOR: Pungent	pH: N/ Vapor Freezi	Density Ing Point: INTENSITY	51.8-53.6°F : Strong
PECIFIC GRAVITY (SOLUBILITY IN WATE)  APPEARANCE: CO  SECTION  CLASH POINT (TEST	DINT @760 mm Hg: 484° Hg @20 C: 0.01 DR BULK DENSITY: 1. ER: Water Reacts Horless Liquid	2F/ N/A 22  ODOR: Pungent AND EXPLO	pH: N/ Vapor Freezi	Density Ing Point: INTENSITY HAZAR	51.8-53.6°F  : Strong  D DATA
PECIFIC GRAVITY (SOLUBILITY IN WATE)  APPEARANCE: CO  SECTION  CLASH POINT (TEST	Hg @20 C: 0.01  OR BULK DENSITY: 1.  ER: Water Reacts  Iorless Liquid  ION IV - FIRE  METHOD): 270°F T	ODOR: Pungent AND EXPLO AG Open Cup LOWER: 0.	pH: N/ Vapor Freezi	Density Ing Point: INTENSITY HAZAR AUTOIGN UPPER:	51.8-53.6°F  Strong  D.DATA  ITION TEMP: N/A
APOR PRESSURE mm PECIFIC GRAVITY ( OLUBILITY IN WAT) PPEARANCE: CO SECT  LASH POINT (TEST LAMMABILITY LIMIT XTINGUISHING	Hg @20 C: 0.01  OR BULK DENSITY: 1.  ER: Water Reacts  Iorless Liquid  ION IV - FIRE  METHOD): 270°F T  TS IN AIR (% BY VOL)  Use water fog, for the second of the second	ODOR: Pungent  AND EXPLO  AG Open Cup  LOWER: 0.  Dam or CO2 extin	pH: N/ Vapor Freezi .  DSION  9%  nguishing cocysnate de fumes must wea	Density Ing Point: INTENSITY HAZAR AUTOIGN UPPER: madia. fires must as well as	51.8-53.6°F  The strong of the
APOR PRESSURE mm  PECIFIC GRAVITY (  OLUBILITY IN WATE  PPEARANCE: CO  SECTI  LASH POINT (TEST  LAMMABILITY LIMIT  XTINGUISHING  EDIUM  PECIAL  IREFIGHTING  ROCEDURES  NUSUAL FIRE  ND EXPLOSION	Hg @20 C: 0.01  OR BULK DENSITY: 1.  ER: Water Reacts  Iorless Liquid  ION IV - FIRE  METHOD): 270°F T  TS IN AIR (% BY VOL)  Use water fog, for the second of the second	ODOR: Pungent  AND EXPLO  AND EXPLO  AG Open Cup  LOWER: 0.  Dam or CO2 exting  in fighting is introgen dioxing introgen dioxing introgen dioxing introduction in columnation in columnation in columnation in columnation.	pH: N/ Vapor Freezi .  OSION 9% nguishing cocyanate de fumas smust wea gear. seed conta	Density ing Point:  INTENSITY HAZAR  AUTOIGN  UPPER: madia.  fires must as well as ir self-con	51.8-53.6°F  Strong  DDATA  ITION TEMP: N/A  9.5%  be tained
APOR PRESSURE mm PECIFIC GRAVITY ( OLUBILITY IN WATE PPEARANCE: CO SECTI LASH POINT (TEST LAMMABILITY LIMIT XTINGUISHING EDIUM PECIAL IREFIGHTING	Hg @20 C: 0.01  OR BULK DENSITY: 1.  ER: Water Reacts  Iorless Liquid  ION IV - FIRE  METHOD): 270°F T  TS IN AIR (% BY VOL)  Use water fog, for the second of the second	ODOR: Pungent  AND EXPLO  AND EXPLO  AG Open Cup  LOWER: 0.  Dam or CO2 exting  in fighting is introgen dioxing introgen dioxing introgen dioxing introduction in columnation in columnation in columnation in columnation.	PH: N/ Vapor Freezi  DSION  9%  nguishing  cocyanate de fumas must wea gear. seed conta	Density Ing Point:  INTENSITY HAZAR  AUTOIGN  UPPER: madia.  fires must as well as relf-continers or continers or continers.	51.8-53.6°F  Strong  DDATA  ITION TEMP: N/A  9.5%  be tained

PRODUCT NUMBER: 585622

LUPRANATE\* T80-Type 2

# SECTION V - HEALTH DATA

TOXICOLOGICAL TEST DATA:

LUPRANATE\* TBO 2.4 Toluene Diisocyanate

> Rat. Oral LD50 Mouse, Inhalation LC50

RESULT:

Severe eye and skin irritant, sensitizer 5.8 g/kg. 10 ppm/4H

#### EFFECTS OF OVEREXPOSURE:

The primary routes of exposure to this material are eye or skin contact, and Inhalation of the vapors causes severe irritation to lungs, and pulmonary edema can occur after a serious vapor exposure. Liquid contact causes serious skin and eye burns. Pulmonary sensitization can occur in some individuals leading to asthma-type spasms of the bronchial tubes and difficulty in breathing. Preclude from exposure those individuals having a history of respiratory illness, asthmatic conditions, eye damage or TDI sensitization. Recent studies indicate that overexposure may be associated with chronic lung impairment. In a National Toxicology Program (NTP) study, TDI was carcinogenic when given orally to rats and mice at maximum tolerated doses. TDI was not carcinogenic to rats in a two-year inhalation study. Based on the results of the oral study, TDI was included in the NTP Annual Report on Carcinogens.

#### FIRST AID PROCEDURES:

Existing medical conditions aggravated by exposure to this material: Pulmonary disorders.

Eyes-Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before reuse.

Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Inhalation-Move to fresh air. Aid in breathing, if necessary, and get

immediate medical attention.

# SECTION VI - REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

Avoid temperatures >40°C for extended periods of time.

CHEMICAL INCOMPATIBILITY:

Basic compounds, caustic soda, tertiaryamines, water

HAZARDOUS DECOMPOSITION PRODUCTS:

TDI vapors, NOx, CO and HCN.

HAZARDOUS POLYMERIZATION:

May occur.

Avoid contamination with moisture and other products that react with isocyanates.

CONDITIONS TO AVOID: CORROSIVE TO METAL:

No

**OXIDIZER:** 

# SECTION VII - SPECIAL PROTECTION

RESPIRATORY PROTECTION:

Approved respirator for transferring operations or escape. Self-contained breathing apparatus if the P.E.L. is exceeded, or in confined areas or if a leak occurs.

EYE PROTECTION:

Wear fitted goggles or face shield and safety glasses.

PROTECTIVE CLOTHING: Rubber gloves, must be cleaned after each use. Rubber gloves, coveralls, boots and rubber apron which

**VENTILATION** 

Use local exhaust wherever vapors are generated.

OTHER.

Maintain work area below P.E.L.

## PRODUCT NUMBER: 585622 LUPRANATE \* T80-Type 2 SECTION VIII - ENVIRONMENTAL DATA ENVIRONMENTAL TOXICITY DATA: Aquatic toxicity rating: TLm 96: 10 ppm-1 ppm. SPILL AND LEAK PROCEDURES LUPRANATE\* T80 is a RCRA-regulated product. Wear protective clothing, evacuate all not involved in the cleanup. For minor spills, absorb with absorbent and containerize into open top drums. Decontaminate spill area with a mixture of 90% water, 8% concentrated ammonia and 2% detergent. Dispose of HAZARDOUS SUBSTANCE SUPERFUND: Yes RQ (lbs): 100 WASTE DISPOSAL METHOD waste in a RCRA-permitted facility. Incinerate or landfill in a RCRA-permitted facility. **HAZARDOUS WASTE 40CFR261**: HAZARDOUS WASTE NUMBER: U 223 CONTAINER DISPOSAL: Containers should be neutralized with liquid decontaminant. Empty containers, containing less than 1" of residue, may be landfilled. If containers are not empty, they must be disposed as a hazardous waste in a RCRA-licensed facility. SECTION IX - SHIPPING DATA D.O.T. PROPER SHIPPING NAME (49CFR172.101-102) HAZARDOUS SUBSTANCE (49CFR CERCLA LIST) Toluene Diisocyanate REPORTABLE QUANTITY (RQ) 100 lb D.O.T. HAZARD CLASSIFICATION (CFR 172.101-102) PRIMARY Poison B **SECONDARY** POISON CONSTITUENT (49CFR172.203(K)) TDI D.O.T. LABELS REQUIRED (49CFR172.101-102) D.O.T. PLACARDS REQUIRED (CFR 172.504) Poison BULK ONLY Poison2078 BILL OF LADING DESCRIPTION Toluene Diisocyanate-Poison B-UN 2078 RQ 100 lbs. \*\*\* Placarded: POISON \*\*\*

4 / 17 / 85

190

UN/NA CODE2078

UPDATED: 5 / 16 / 88

WHILE BASE CORPORATION BELIEVES THE DATA SET FORTH HEREIN ARE ACCURATE AS OF THE DATE HEREOF, BASE CORPORATION MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND VERIFICATION.

DESCRIPTE

CC NO.

DATE PREPARED

# SECTION X - PRODUCT LABEL

#### LUPRANATE\* T80

DANGER: POISON HARMFUL IF INHALED.

CONTACT WITH EYES AND SKIN RESULTS IN SERIOUS BURNS. INHALATION OF VAPORS CAUSES SEVERE IRRITATION TO LUNGS. PULMONARY EDEMA MAY OCCUR. PULMONARY SENSITIZATION CAN OCCUR IN SOME INDIVIDUALS, LEADING TO ASTHMA-TYPE SPASMS OF THE BRONCHIAL TUBES AND DIFFICULTY IN BREATHING. INDIVIDUALS WITH A HISTORY OF RESPIRATORY ILLNESS, ASTHMATIC CONDITIONS, EYE DAMAGE OR TDI SENSITIZATION SHOULD NOT BE EXPOSED TO THIS PRODUCT

SHOULD NOT BE EXPOSED TO THIS PRODUCT.
IN AN NTP STUDY, TDI WAS CARCINOGENIC TO RODENTS GIVEN HIGH DRAL DOSES AND IS INCLUDED IN THE NTP ANNUAL REPORT ON CARCINOGENS. TDI WAS NOT CARCINOGENIC TO RATS IN A TWO-YEAR INHALATION STUDY.

Use with local exhaust. Wear an approved respirator or self-contained breathing apparatus, fitted goggles or face shield and safety glasses, rubber gloves, coveralls, boots, apron and other protective clothing as necessary to prevent contact.

#### FIRST AID:

Eyes-Immediately wash eyes with running water for 15 minutes.

Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before peuse.

contaminated clothing before reuse.

Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Inhalation-Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

HANDLING AND STORAGE: Keep containers closed and store in a well-ventilated place. Outage of container should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture. Contamination by moisture or basic compounds can cause dangerous pressure buildup in closed container. Store Store above 60 F to prevent freezing and isomer separation. If solidified, do not exceed 95 F while thawing to prevent discoloration. Mix before using.

IN CASE OF SPILLS OR LEAKS: Material is a RCRA-regulated product. Spills should be contained, absorbed and placed in suitable containers for disposal in a RCRA-licensed facility.

IN CASE OF FIRE: Use water fog, foam or CO2 extinguishing media. Firefighters should be equipped with self-contained breathing apparatus and turnout gear for protection against TDI vapors and toxic decomposition products.

EMPTY CONTAINERS: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.

DISPOSAL: Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations. Refer to our Material Safety Data Sheet for specific disposal instructions.

IN CASE OF CHEMICAL EMERGENCY: Call CHEMITREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents \$00-424-9300.

ATTENTION: This product is sold solely for use by industrial institutions. Refer to our Technical Bulletin, and Material Safety Data Sheet regarding safety, usage, applications, hazards, procedures and disposal of this product. Consult your supervisor for additional information.

FOR INDUSTRY USE ONLY. CAS No.: 584-84-9; \$1-08-7.

Proper Shipping Name: Toluene Diisocyanate, Poison B - UN 2078 RQ

Made in USA. Polymers

0488

garen gias

Submit a copy or reasonable facsimile of any hazard information (other than an MSDS that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response. $\lambda / / \sqrt{}$	
been submitted by circling the appropriate response.	1
No	2

For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the final state of the product.

	:	Phy	sical State		
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas
Manufacture	1	2	3	4	5
Import	1	2	3	4	- - 5
Process	1	. 2	3	4	5
Store	1	2	3	4	5
Dispose	1	2	3	4	5
Transport	1	2	3	4	5

[ ] Mark (X) this box if you attach a continuation sheet.

4.05 <u>CBI</u> [_]	percenta particle importin listed s	Size If the list g activities, indica ge distribution of t s ≥10 microns in dia g and processing act ubstance. Measure the disposal and transposal	te for each aphe listed subs meter. Measur ivities at the he physical s	pplicable stance by re the pl e time yo tate/and	e physical y activity nysical s ou import particle	l state y. Do r tate and or begi	the size not include particle in to proceed to the process of the	and the de sizes for cess the
	Physical State		/ Manufacture	Import	Process	Store	Dispose	Transport
	Dust	<1 micron						<u> </u>
		1 to <5 microns						
		5 to <10 microns						
	Powder	<1 micron						
		1 to <5 microns					4	
		5 to <10 microns						•
				`				•
	Fiber	<1 micron						
		1 to <5 microns						
		5 to <10 microns						
	Aerosal	<1 micron						
		1 to <5 microns				<del></del>		
		5 to <10 microns						
		o to the microns						
					•			

# SECTION 5 ENVIRONMENTAL FATE

# PART A RATE CONSTANTS AND TRANSFORMATION PRODUCTS

a.	Photolysis:		
	Absorption spectrum coefficient (peak)	(1/M cm) at	n
	Reaction quantum yield, 6	at	ni
	Direct photolysis rate constant. $k_p$ , at	1/hr	lati
b.	Oxidation constants at 25°C:		
	For <sup>1</sup> 0 <sub>2</sub> (singlet oxygen), k <sub>ox</sub>		1
	For RO <sub>2</sub> (peroxy radical), k <sub>ox</sub>		
c.	Five-day biochemical oxygen demand, BOD,		mg
d.	Biotransformation rate constant:	•	
	For bacterial transformation in water, $k_b \dots$		17
÷_ •	Specify culture		
<b>e</b> ,.	Hydrolysis rate constants:		
	For base-promoted process, k <sub>B</sub>		1/
	For acid-promoted process, k,		
	For neutral process, k <sub>N</sub>		
f.	Chemical reduction rate (specify conditions)_		
g.	Other (such as spontaneous degradation)		

[ ] Mark (X) this box if you attach a continuation sheet	
--	--

PART	ВІ	PARTITION COEFFICIENT	:s	**************************************			
5.02	a.	Specify the half-li	fe of the l:	isted subs	stance in the	following med	ia.
	4	Media			<u>Half-life</u>	(specify uni	ts)
		Groundwater					
		Atmosphere					
		Surface water	•				
		Soil					
	b.	Identify the listed life greater than 2	substance's 4 hours.	: known tr	ansformation p	products that	have a half-
		CAS No.	N	lame	Half-lif (specify (	-	Media
					· · · · · · · · · · · · · · · · · · ·	in	-
				•	· · · · · · · · · · · · · · · · · · ·	in	
	. <del></del>				<u>-</u>	in	· · · · · · · · · · · · · · · · · · ·
						in	
<b>5.</b> 03		cify the octanol-wate			<b>.</b>	UK	at 25°
					**************************************		
5.04	Spe	cify the soil-water p	partition co	efficient	, K <sub>a</sub>	UK	at 25°
	Soi	l type		• • • • • • • •	····· _		
5.05		cify the organic carl				IIK	at 25°

[_]	Mark	<b>(</b> X)	this	box	if	you	attach	a c	ont	inuation sheet.		
			·							36		

5.06 Specify the Henry's Law Constant, H ......

/	Bioconcentration	Factor		Species		<u>Test</u> <sup>1</sup>	
XK							
	<sup>1</sup> Use the following	g codes to	designate	the type of t	est:		
	F = Flowthrough S = Static						
						•	
							•
					* . 		÷
÷ .							

Market		Quantity Sold or	Total Sales
Retail sales		Transferred (kg/yr)	Value (\$/yr)
	<u>.</u>		
Distribution Whol			
Distribution Reta	ilers		
Intra-company transf	er		
Repackagers			
Mixture producers			
Article producers			
Other chemical manuf or processors	acturers		
Exporters			
Other (specify)			
•		·	
feasible substitute	ance and state the state in the	ially feasible substitute e cost of each substitute conomically and technologies in a final production	e. A commercially gically feasible to the comparable
feasible substitute in your current opera	ance and state th is one which is e ation, and which	e cost of each substitute	A commercially
feasible substitute in your current opera	ance and state the state in the	e cost of each substitute	e. A commercially gically feasible to the comparable
feasible substitute in your current opera	ance and state the state in the	e cost of each substitute	e. A commercially gically feasible to the comparable
feasible substitute in your current opera	ance and state the state in the	e cost of each substitute	e. A commercially gically feasible to the comparable
feasible substitute in your current opera	ance and state the state in the	e cost of each substitute	e. A commercially gically feasible to the comparable
feasible substitute in your current opera	ance and state the state in the	e cost of each substitute	e. A commercially gically feasible to the comparable
feasible substitute in your current opera	ance and state the state in the	e cost of each substitute	e. A commercially gically feasible to the comparable

#### SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

#### General Instructions:

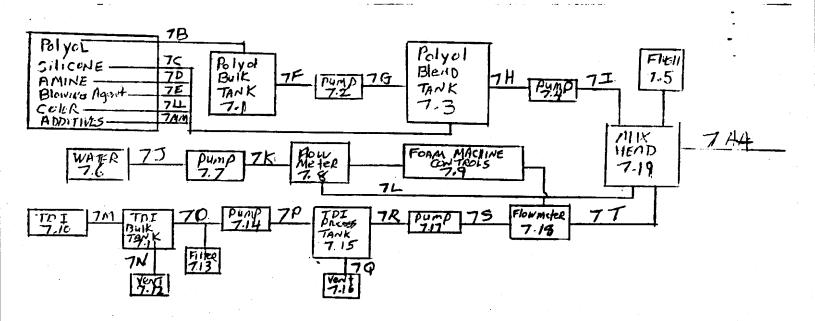
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

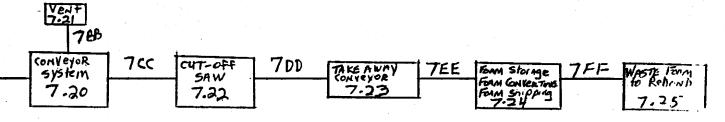
#### PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

I Process type ..... Flex.ble Slab Steen Polyunethane Form My





[ ] Mark (X) this box if you attach a continuation sheet.

## SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

#### General Instructions:

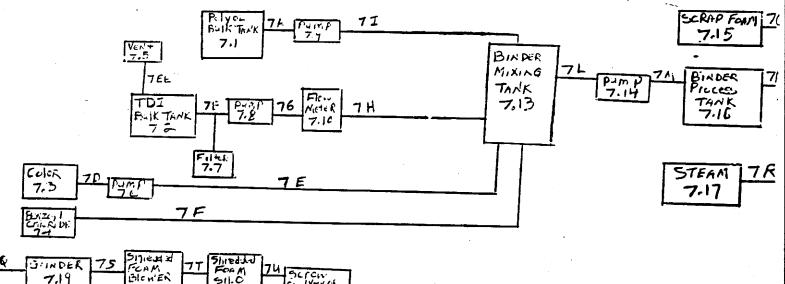
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

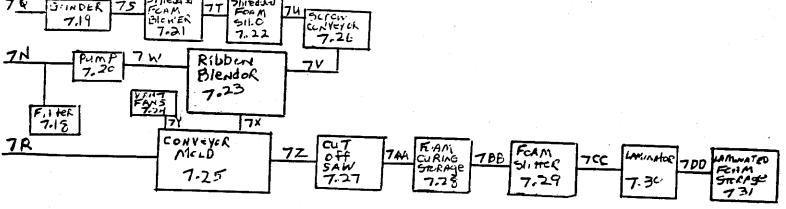
## PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

I Process type ...... Peland Cappet Pan Mty Process

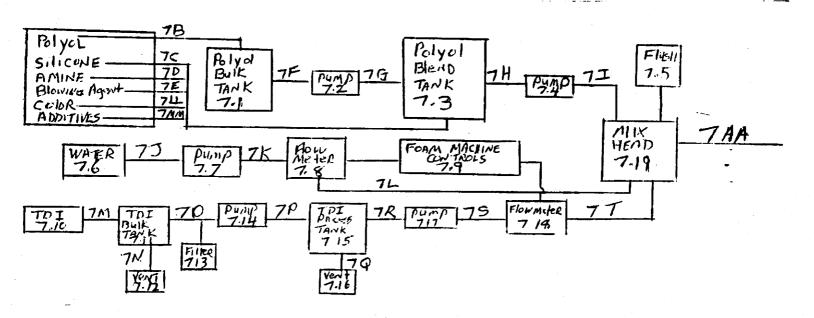


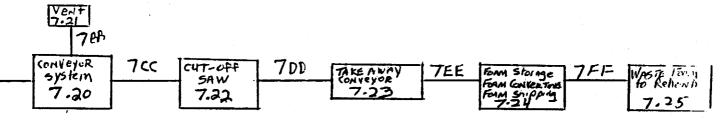


[ ] Mark (X) this box if you attach a continuation sheet.

In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

CBI Process type ..... Fletible Slabstock folyurethane toam Mag





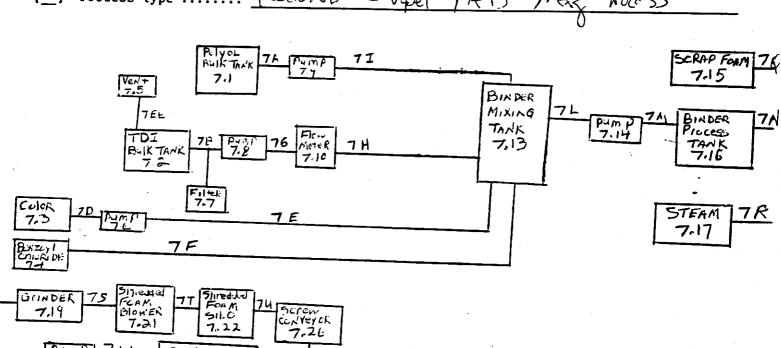
TDI EMISSIONS 7.12 TOI TANK VENT 7.16 TOI TANK VENT 7.21 CONVEYORSYSTEM VENT

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

CBI

Process type ...... Related Campet Paris May Rocess



7N RIDDEN Blendor 7.23 Filler 17X 7.15 CONVEYER MCLD LAMINATOR 796 LAMINATED 700 7.25 FOAM STORAGE 731

> 75 TDI TANK VENT 7.24 Stam VenT (MAY CONTAIN TDI)

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

than one process <u>BI</u>	block flow diagram(s). If process type, photocopy th type.	nis question and co	mplete it separate	ly for <b>each</b>
] Process	type Flexible 5	Absleck Polymett	have team 1	M.E.
Unit Operation ID Number 7.1	Equipment Type Polyol Bulk TANK	Operating Temperature Range (°C)  17C-21.4C	Operating Pressure Range (mm Hg) 760mmHg	Vessel Composition Steel
7.3 7.4 7.5	Low presumphine Bond fung		20-150psig 760 MMHg 20-60psig	Steel
7.1 7.7 7.8	MUSH (MECL)  NYETER TANK  LOW MESSUR GOVE FUMP	Ambient Ambient	10 ps19 760 mm Hg 760 mm Hg	-
7.9 7.10 7.11	Flow Meter FERM: MACH CONTRUS RR TANK CAR TDI BULLTANK	30°C-23°C 	20:50 Ping	Steel Steel
7.13 7.14	Vent TDI Filter	Anbient Ambient Anbient	760 months	
7.15 7.16 7.17	TDI licers Tank TDI Vent Low freezur Motour ling	19-76-2146 Anshert Anshert	TEOMNHY TEOMNHY TEOMNHY	
7.18	MIX Head	7 <u>6</u> c-23°c 17c-21.4°C 86c-94°c	20-50 psy	

7.04 Describe the typical equipment types for each unit operation identified in your process block flow diagram(s). If a process block flow diagram is provided for than one process type, photocopy this question and complete it separately for process type.  CBI  Process type Flethe Polyupchane Form Mg	
[] Process type Flexible Polyupethane Form Mg	
	essel position
722 Cutoff Saw Ambient 760 min let 723 TAKE AWAY CONJEYOR AMBIENT 760 MINTER 7.24 FORK! Storage Ambient 760 minter 7.25 Repend for Ambient 760 minter	
	-

[\_] Mark (X) this box if you attach a continuation sheet.

Describe the typical equipment types for each unit operation identified in your process block flow diagram(s). If a process block flow diagram is provided for the process diagram is process diagram in the process diagram is process diagram in the process diagram is process diagram than one process type, photocopy this question and complete it separately for only process type.

CBI

Process type ..... Rebund CARRET Pad MFg. Process 1--1

Unit Operation 1D Number  7.1  7.2  7.3  7.4  1.5  7.6  7.7  7.8	Typical Equipment Type  Bolyol Bulk Tank  TDI Bulk Tank  Color  Benzoyl Chloride  Vent  Color puny  TDI filler  TDI GEAR Pump	Operating Temperature Range (°C)  176-21.4°C  19.7°C-21.1°C  Ambient  Ambient  Ambient  Ambient  Ambient  19.7-21.4°C	Operating Pressure Range (mm Hg)  760 mm Hy  760 nn Hg  760 mm Hy  760 mm Hg  760 mm Hg	Composition  SIREL  - JEEL
	•	19:7-21.4°C 19:7-21.4°C 20-23°C	20-50 psig	

7.13	Binder Mix Tank	19.7°c - 21.4°c	50-100 psi	Steel
7.14	Scrap FOAM	19.7° - 21.4° c	160 mm	
7.16	BINDER PROLES TANK	192-272	760 MM	Stee 1
7.17	Steam	125-130°C	380-400 psi	
	Grinder	Ambient	760 MM	· · · · · · · · · · · · · · · · · · ·

Describe the typical equipment types for each unit operation identified in your process block flow diagram(s). If a process block flow diagram is provided for more 7.04 than one process type, photocopy this question and complete it separately for each process type. CBI Rebord Carpet PAD Mty Operating Unit Pressure Operating Typical gager 1 Operation Range Temperature Equipment Composition 10 (mm Hg) Range (°C) Type Number 500-800 FS19 High Pies Meleziny pump 7.20 7602011 Ambier FRAMI blower 7.21 TO KINI Shredded Form 5,10 7.22 760 KM Ribbon Blerden 1.23 760 AIL Ambier 760AM 760 MM 7.26 160 MULL 127 160 MM 16CMM

760MM

60 mm

LAMINATOR

LA MININA LOCA

<sup>[</sup>\_] Mark (X) this box if you attach a continuation sheet.

## CONFIDENTIAL

CBI				01	•
[5]	Process type .	Fletible 5/4b	Slock	PolyuneMANE FOA	n Mg.
					0
	Process Stream				<b>C.</b>
.á.	ID Code	Process Stream <u>Description</u>		Physical State	Stream Flow (kg/yr)
÷	7B7F7G	PolyoL			
	757K7L	WATER		<u> </u>	
	7M 70 7P 7R	757T TDI		_OL <	
	7C7D7E7LL7M		<del>,</del>	<u> </u>	
	7H 7I	M Other Components  Blysh mixes with or  components	~ —	<u> </u>	
	7A4 7CC 7DD 7EE 7FF	Polyunethane Form		<u>So</u> <	<u> </u>
	TEE TEE				<u> </u>
	7BB_	KNHILATION FAN		_Gu_	UNK
	GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l	liquid	ure and ature ar	pressure) nd pressure)	
	GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l	densible at ambient temperat ondensible at ambient temper r slurry liquid	ure and ature ar	pressure) nd pressure)	
	GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l	densible at ambient temperat ondensible at ambient temper r slurry liquid	ure and ature ar	pressure) nd pressure)	
	GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l	densible at ambient temperat ondensible at ambient temper r slurry liquid	ure and ature ar	pressure) nd pressure)	
	GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l	densible at ambient temperat ondensible at ambient temper r slurry liquid	ure and ature ar	pressure) nd pressure)	
	GC = Gas (cond GU = Gas (unco SO = Solid SY = Sludge or AL = Aqueous l	densible at ambient temperat ondensible at ambient temper r slurry liquid	ure and ature ar	pressure) nd pressure)	

# CONFIDENTIAL

						_	
( <u>z</u> )	Process type	Pel	DND CAN	pet PAD	Mfg/	) locess	e sakakakan sang
	Process Stream ID Code  7A, 7T  7B 7G 71+  7K 7L 7M  7N 7N  7D 7E  7F  79 75 7T  74 7V	BING GL	cess Stream scription  foll  DER  DER  OR  Chloude  FOAM		Physical State  OL  OL  OL  OL  SO  SO	Stree Flow (kg	
	Use the follow  GC = Gas (conde GU = Gas (uncor SO = Solid SY = Sludge or AL = Aqueous 1: OL = Organic 1: IL = Immiscible	ensible at am ndensible at slurry iquid iquid	bient tempera ambient temp	ature and pr erature and	essure) pressure)		•

7.06 CBI	If a process	e each process stream ides block flow diagram is pon and complete it separations for further explanations.	provided for mately for each	nore than one proces n process type. (Re	s <b>s type,</b> photocopy
[_]	Process type	REBOND C	ARPET PA	D MFG PREXESS	<u> </u>
	a.	b.	c.	d.	е.
<i>3</i> .	Process Stream ID Code	Known Compounds <sup>1</sup>	Concen- trations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
	7A	POLYCL	100%	NA	NA
•					
~	•				
	<u>7</u> B	TOI	99.9%	HYDROLYZABLE- CHIORIDE	0.01
•					
• •	7 K,7N	BINDER	100%	NA-	NA
	- -				
	•				

7.06 continued below



Mark (X) this box if you attach a continuation sheet.

		_	1)	<i>e.</i>
	b.	c.	d.	e.
Process Stream		Concen- trations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
70	Color	20%	NA	NA
7F_	BENZOYL CHLORIDE	100%	NA	NA
•				
7J_	METHYLENE CHLORIDE	100%	NA	UNK
	Process ty  a.  Process Stream ID Code	Instructions for further explanation  Process type	Instructions for further explanation and an example of the process type	Process Stream ID Code Known Compounds  Concentitutions To Color  Compounds  Compounds  NA  NA

[X] Mark (X)

		PAGE 3	3		
7.06 <u>CBI</u>	If a proce this quest instruction	ize each process stream i ess block flow diagram is tion and complete it sepa ons for further explanati	provided for more rately for each property on and an example	re than one pro process type. e.)	cess type, photocol
[_]	Process ty	pe REBOND	Carpet PAD	Rocess	
	a.	<b>b</b> .	c.	d.	<b>e.</b>
	Process Stream ID Code	Known Compounds <sup>1</sup>	Concen- trations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
	77	STEAM, MECL,	UNK	NA	UNK '
	,				
	7R	STEAM	100%	NA	NA:
-					

7.06 continued below

( <sup>-</sup> )	Mark (X)	this	box if	you	attach	a	continuation	sheet.			
·,				•							

7.06 (continued
-----------------

For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentration (% or ppm)
1		
2		
		•
	, , , , , , , , , , , , , , , , , , , ,	
•		
3		
4		
5		
•		
<sup>2</sup> Use the following codes to	designate how the concentration	
	designate now the concentration	was determined:
A = Analytical result E = Engineering judgement/c	alculation	
	designate how the concentration	was measured:
V = Volume		
W = Weight		

<u>CBI</u>	this question	s block flow diagram is on and complete it sepa s for further explanat:	arately for each m	process type.	(Refer to the
[_]	Process type				
	a.	b.	<b>c.</b>	d.	е.
	Process Stream ID Code	Known Compounds <sup>1</sup>	Concentrations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
			·		
			-		
					•
			<u> </u>		•
	• •				
			·		
	-				
7.06	continued be	low			
	·				

<sup>1</sup>For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	_	Concentrations (% or ppm)
1			
		-	
		<del>-</del>	
2		-	
		-	
			. •
			-
3			
4			
		•	
•			
5		_	·
		_	
		_	
Use the following codes to	designate have the	_	_
Use the following codes to  A = Analytical result	designate now the conce	entration wa	s determined:
E = Engineering judgement/c	alculation		
Use the following codes to	designate how the conce	ntration wa	s measured.
V = Volume	Samuel and and conce	Wd	a measureu:
W = Weight			
•			

[\_] Mark (X) this box if you attach a continuation sheet.

SECTION 8 RESIDUAL TREATMENT GENERATION, CHARACTERIZATION, TRANSPORTATION, AND MANAGEMENT

### General Instructions:

For questions 8.04-8.06, provide a separate response for each residual treatment block flow diagram provided in question 8.01, 8.02 or 8.03. Identify the process type from which the information is extracted.

For questions 8.05-8.33, the Stream Identification Codes are those process streams listed in either the Section 7 or Section 8 block flow diagrams which contain residuals for each applicable waste management method.

For questions 8.07-8.33, if residuals are combined before they are handled, list those Stream Identification Codes on the same line.

Questions 8.09-8.33 refer to the waste management activities involving the residuals identified in either the Section 7 or Section 8 block flow diagrams. Not all Stream Identification Codes used in the sample answers (e.g., for the incinerator questions) have corresponding process streams identified in the block flow diagram(s). These Stream Identification codes are for illustrative purposes only.

For questions 8.11-8.33, if you have provided the information requested on one of the EPA Office of Solid Waste surveys listed below within the three years prior to your reporting year, you may submit a copy or reasonable facsimile in lieu of answering those questions which the survey addresses. The applicable surveys are: (1) Hazardous Waste Treatment, Storage, Disposal, and Recycling Survey; (2) Hazardous Waste Generator Survey; or (3) Subtitle D Industrial Facility Mail Survey.

1-1	Mark	(X)	this	box	i f	veu	attach	a.	continuation	shee!
. ,		· · · · /		• • • •		300		v.	CO11 ( 2 11 12 C 1 2 C 11	211667

<u>CBI</u>	cribes (ne	e treatm	tructions, prient process u	sed for res	iduals i	dentified	in questi	on 7.01.
Flexible Polyuret Manufac  7N 70  Tank Vents to		TBB	Recycle	INTO F	CAM	MIXING		
Atmosphere	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ENT F O ATA	Tans Risphere					

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

	, ,		
PART	A RESIDUAL TREATM	ENT PROCESS DESCRIPTION	
8.01	In accordance wit which describes t	h the instructions, provide a residual treatm he treatment process used for residuals ident	ent block flow diagram ified in question 7.01
<u>CBI</u>	Process type	Rebond Fram Carpet And	Mfg
	Redond Form	A CATEPET  WA  Ref  Fo	STE DOND ANI SB
		Vent Steam AND ANY TOI to Almosphere	

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

8.05 CBI	process	type.photo	residual tre ocopy this q he instructi	am identified atment block fuestion and corons for further	low diagram is mplete it sepa r explanation	s provided fo crately for ea and an examp	r more than o ach process le.)
[_]	Process	type	<u>Fle+</u> ,	ble Slabst	OCK Polyur	ethore Fo	DAM ME
	a.	b.	c.	d.	e. /	f.	<b>g</b> .
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual <sup>2</sup>	Known Compounds <sup>3</sup>	Concentra- tions (% or ppm) <sup>4,5,6</sup>	Other Expected Compounds	Estimated Concen- trations (% or ppm)
-	1RR		Gu	_ TDI	*	UK	UK
			GU	Methylene Chloric	x_UK_	UK	UK
							•
							_
	<del></del>						•
	**						
	•	•					
							-
							-
				•			
.05 d	continue	d below	50 giam Ton of	DI US	DI emi	tled for	Ø1CH

[\_] Mark (X) this box if you attach a continuation sheet.

05 <u>I</u>	diagram process	m(s). If a i s type, photo	residual treaccopy this qu	atment block f uestion <mark>and co</mark>	in your residu low diagram is mplete it sepa r explanation	provided for ca	r more than with process
_]	Process	s type	• • •			_	<del></del>
	Stream ID Code	b. Type of Hazardous Waste	C. Physical State of Residual <sup>2</sup>	d. Known Compounds <sup>3</sup>	e. Concentra- tions (% or ppm) 4,5,6	f. Other Expected Compounds	Estimate Concen- trations (% or ppm
	7 <u>Y</u>	<u> </u>	<u>Gu</u>	WATCR	UK	UK	UK
							-
	<del></del>						
-							
						·	
	continue	d below					

## 8.05 (continued)

<sup>1</sup>Use the following codes to designate the type of hazardous waste:

I = Ignitable

C = Corrosive

R = Reactive

E = EP toxic

T = Toxic

H = Acutely hazardous

<sup>2</sup>Use the following codes to designate the physical state of the residual:

GC = Gas (condensible at ambient temperature and pressure)

GU = Gas (uncondensible at ambient temperature and pressure)

SO = Solid

SY = Sludge or slurry

AL = Aqueous liquid

OL = Organic liquid

IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)

### 8.05 continued below

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

8.05 (	cont	inued)
--------	------	--------

<sup>3</sup>For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

	Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
	1		
	2		
• .	3		•
			-
	•		
	4		
		•	
	5		
	Use the following codes to	designate how the concentration was	determined:
	A = Analytical result E = Engineering judgement/c	calculation	
8.05	continued below		
[_]	Mark (X) this box if you att	ach a continuation sheet.	
	·		

8.05 (continued
-----------------

<sup>5</sup>Use the following codes to designate how the concentration was measured:

V = Volume

W = Weight

<sup>6</sup>Specify the analytical test methods used and their detection limits in the table below. Assign a code to each test method used and list those codes in column e.

Code	Method	Detection Limit (± ug/l)
1		
2		
3		
4		-
5		
6		

[\_\_] Mark (X) this box if you attach a continuation sheet.

8.06	diagram process	terize each p m(s). If a r s type, photo (Refer to th	esidual trea copy this qu	itment block estion and o	flow diag	ram is pro t separate	vided for mo	ore than o process
CBI			· <del></del> 1	11 -1		0)	11	<b>-</b>
[_]	Process	s type	Flex	ible Sla	to stock	Polyuna	ethane to	iran M
	a.	b.	c.	d.	е	•	f. Costs for	g.
	Stream ID Code	Waste Description Code	Management Method Code <sup>2</sup>	Residual Quantities (kg/yr)	of Resid	gement dual (%) Off-Site	Off-Site Management (per kg)	Changes Manageme Methods
DI lenc Glor	7BB	B91 B59	M 5(q)	<u> </u>	UK UK	UK	UK	UK
•			115 (01)				- UK	
		•				· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • • •
								•
÷							-	•
			- American Company					
•	•					·		
-		-						
				<del></del> .				
					<del></del>			
	,							•
				·				
	_	e codes provi						

8.06	6 Characterize each process stream identified in your residual treatment block idiagram(s). If a residual treatment block flow diagram is provided for more if process type, photocopy this question and complete it separately for each process. (Refer to the instructions for further explanation and an example.)						
<u>CBI</u>	Process	type	Rebon	ID FOAM	Carpet Pad	Mfg.	
	a.	<b>b</b> .	c.	d.	e.	f.	g.
	Stream ID Code	Waste Description Code	Management Method Code <sup>2</sup>	Residual Quantities (kg/yr)	Management of Residual (%) On-Site Off-Site	Costs for Off-Site Management (per kg)	Changes i Managemen Methods
	ZY	A 05	15(9)	1114	UK UK	UK	UK
		B91	M5(9)	V-/C	VIK UK	UK	UK
							<u>.                                    </u>
		·-		-		-	-
	•						
			<u> </u>	• .			
	•			· ,			
						:	
		~~~~~~					
					esignate the waste of signate the manager		· .
					•		
_)	Mark (X)	this box if	you attach	a continuati	on sheet.		

## WASTE DESCRIPTION CODES

These waste description codes were developed specifically for this survey to supplement the descriptions listed with the RCRA and other waste codes. (These waste description codes are not regulatory definitions.)

## WASTE DESCRIPTION CODES FOR HAZARDOUS WASTE DESCRIBED BY A SINGLE RCRA F, K, P, OR U WASTE CODE

A01 Spent solvent (F001-F005 K066)

A02 Other organic liquid (F001-F005, K086)

A03 Still bottom (F001-F005, K086) A04 Other organic studge (F001-F005, K086)

A05 Wastewater or aqueous mixture

\*"Exactly as described" means that the waste matches the description of the RCRA waste code

A06. Contaminated soil or cleanup residue Other F or K waste, exactly as described

A08 Concentrated off-spec or discarded product

A09 Empty containers

A10 Incinerator ash

Solidified treatment residue

A12 Other treatment residue (specify in "Facility Notes")

A13. Other untreated waste (specify in "Facility

INORGANIC LIQUIDS-Waste that is primarily inorganic and highly fluid legi, aquebust, with low suspended inorganic solids and low organic

B01. Aqueous waste with ow spivents

B02 Aqueour waste with low other toxic

803 Spent acid with meta's

804 Spent acid without metals

BOS Acidic acueous waste

B06. Caustic solution with metals but no cyanides

BC7. Caustic solution with meta's and cyanides.

B08 Caustic solution with cyanides but no metals

B09 Spent caustic

B10: Caustic aqueous waste

B11 Aqueous waste with reactive sulfides

B12 Aqueous waste with other reactives (e.g., EXPIOS: VES!

B13. Other aqueous waste with high dissolved solids

B14. Other aqueous waste with row dissolved sciles

B15 Scrubber water

B16 Leachaie

B17. Waste liquid mercury

B18. Other inorganic riquid (specify in "Facility Notes 1

INORGANIC SLUDGES-Waste that is onmarily inorganic, with moderate-to-high water content and low organic content, pumpable

B19 Lime studge without metals

B20 Lime sludge with metals/metal hydroxide sludge

821 Wastewater treatment sludge with toxic organics

B22 Other wastewater freatment sludge

B23 Untreated plating sludge without cyanides B24 Untreated plating sludge with cyanides

625 Other sludge with cyanides

B26. Sludge with reactive sulfides

**B27** Sludge with other reactives

B28 Degreasing studgs with metal scale or filings

B29 Air pollution control device studge (e.g., fly ash, well scrubber sludge)

B30 Sediment or lagoon dragout contaminated with organics

B31. Sediment or lagoon dragout contaminate... with inorganics only

Drilling mus

**E33** Aspestos siurry or sludge

Chloride or other bring studge

Other inorganic studge (specify in

INORGANIC SOLIDS—Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content, not pumpable

**B**36 Soil contaminated with organics

Soil contamiliated with inorganics only B38 Ash, slag, or other residue from inciner-

ation of wastes B39 Other "dry" ash, slag, or thermal

residue "Dry" time or metal hydroxide solids

chemically "fixed B41 "Dry" time or metal hydroxide solids not 'fixed'

Metal scale, filings, or scrap

843 Empty or crushed metal drums or containers

B34 Patteries or battery parts, casings, cores

B15 Spent solid filters or adsorbents

Asbestos solids and debris B--6

Meta-cyanide satts/chemicals

848 Reactive cyanide satts/chemicals 649

Reactive sulfide salts/chemicals BSC Other reactive saits/chemicals

851 Other metal salts/chemicals

Other waste inorganic chemicals

B5.3 Lab packs of old chemicals only

Lab packs of debns only

**B**55 Mixed lab packs

856 Other inorganic solids (specify in

'Facility Notes'')

INORGANIC GASES-Waste that is primarily inorganic with a low organic content and is a das at atmospheric pressure.

857 Inorganic gases

ORGANIC LIQUIDS-Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content

B58 Concentrated solvent-water solution

B59 Harogenated (e.g., chionnated) solvent

B61 Nonhalogehated solvent

Halogenated/nonhalogenated solvent mixture

B62 Oil-water emulsion or mixture

863 Waste oil

B61

B64 Concentrated adueous scrution of other organics

**B65** Concentrated phenolics

Organic paint, ink. lacquer, or varnish

B67 Adhesives or expoxies

666 Paint thinner or petroleum distillates

869 Reactive or polymerizable organic liquid-

870 Other organic figure (specify in "Facility Notes"

ORGANIC SLUDGES—Waste that is primarily organic, with low-to-moderate inorganic solics content and water content, pumpable

Still bottoms of halogenated (e.g., chlori-

nated) solvents or other organic liquids Still bottoms of nonhalogenated

solvents or other organic liquids

B73 Ony studge

**274** Organic paint or the studge

Reactive or polymerizable organics

Resins, tars, or tarry studge

877 Elological treatment studge 678 Sewage of other untreated biological

Facility Notes")

sludge

879 Other organic studge (specify in

ORGANIC SOLIDS—Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content, not pumpable.

880 Halogenated pasticide solid

Nonhalogenated pesticide solid

Solid resins or polymerized organics

Spent carbon

Reactive organic solid

**B85** Empty fiber or plastic containers

B86 Lab packs of old chemicals only

8.67 Lab packs of debns only

BAS Mixed lab packs

889 Other halogenated organic solid

890 Other nonhalogenated organic solid

ORGANIC GASES—Waste that is primarily organic with low-to-moderate inorganic content and is a gas at atmospheric pressure

89° Organic gases

## EXHIBIT 8-2. (Refers to question 8.06(c))

## MANAGEMENT METHODS

Mi =	Discharge to publicly owned	Reco	overy of solvents and liquid organics
_	wastewater treatment works	for	reuse
M2 =	Discharge to surface water under		Fractionation
	NPDES	2SR	
M3 =	Discharge to off-site, privately	3SR	
w/ ·	owned vastewater treatment works	4SR	Thin-film evaporation
.n4 =	Scrubber: a) caustic; b) water;		Filtration
MS -	c) other  Vent to: a) atmosphere; b) flare;	65R	Phase separation
- CI	c) other (specify)	/ 5K	Dessication
M6 =	c) other (specify)	031	Other solvent recovery
	(0)100	Reco	very of metals
TREA	THENT AND RECYCLING	1MR	Activated carbon (for metals
			recovery)
Inci	neration/thermal treatment	2MR	Electrodialysis (for metals
11	Liquid injection		recovery)
21	Rotary or rocking kiln	3MR	Electrolytic metal recovery
31	Rotary kiln with a liquid injection	4MR	Ion exchange (for metals recovery)
	unit	5MP	Reverse osmosis (for metals
41	Two stage		recovery)
	Fixed hearth	6MR	Solvent extraction (for metals
6I	Multiple hearth		recovery)
	Fluidized bed	7MR	Ultrafiltration (for metals
	Infrared	CVD	recovery)
	Fume vapor Pyrolytic destructor	BER	Other metals recovery
111		Voct	ewater Treatment
***	treatment		
	12 Ca Cimera	N. LE	r each wastewater treatment type
Reus	e as fuel		listed below (1VT - 66VT) specify a) tank; or b) surface impoundment
	Cement kiln		(i.e., 63VTa)
	Aggregate kiln		(1.6.1 03418)
3RF	Asphalt kiln	Equa	lization
4RF	Other kiln		Equalization
	Blast furnace		-444-124(10)
	Sulfur recovery furnace	Cvan	ide oxidation
75.F	Smelting, melting, or refining		Alkaline chlorination
	furnace	3WT	Ozone
	Coke oven	4WT	Flectrochemical
9EF	Other industrial furnace		Other cyanide oxidation
10RF	Industrial boiler		•
	Utility boiler	Gene	ral oxidation (including
	Process heater	disi	nfection)
13r.F	Other reuse as fuel unit	6WT	Chlorination
		7V.T	Ozonation
	Blending		UV radiation
1FB	Fuel blending	9WT	Other general oxidation
C_12.	iification	<b>C</b> 1	
15			ical precipitation1
25	Cement or cement/silicate processes		Lime
25 35	Pozzolanic processes		Sodium hydroxide
4S	Asphaltic processes Thermoplastic techniques		Soda ash Sulfide
45 5S	Organic polymer techniques		
65 65	Jacketing (macro-encapsulation)	TAAT	Other chemical precipitation
7S	Other solidification	Chros	nium reduction
, 5	other Bolldillegituil		Sodium bisulfite
			Sulfur dioxide
		TOMI	POTTOT GIOVINE

## EXHIBIT 8-2. (continued)

#### MANAGEMENT METHODS

17WT Ferrous sulfate 18WT Other chromium reduction

Complexed metals treatment (other than chemical precipitation by pH adjustment)
19WT Complexed metals treatment

Emulsion breaking 20WT Thermal 21WT Chemical 22WT Other emulsion breaking

Adsorption 23WT Carbon adsorption 24WT Ion exchange 25WT Resin adsorption 26WT Other adsorption

Stripping 27VT Air stripping 28VT Steam stripping 29VT Other stripping

Evaporation
30WT Thermal
31WT Solar
32WT Vapor recompression
33WT Other evaporation

Filtration
34VT Diatomaceous earth
35VT Sand
36VT Multimedia
37VT Other filtration

Sludge dewatering
38WT Gravity thickening
39WT Vacuum filtration
40WT Pressure filtration (belt, plate
and frame, or leaf)
41WT Centrifuse
42WT Other sludge dewatering

Air flotation
43VT Dissolved air flotation
44VT Partial aeration
45VT Air dispersion
46VT Other air flotation

Oil skimming 47VT Gravity separation 48VT Coalescing plate separation 49VT Other oil skimming

Other liquid phase separation 50VT Decanting 51VT Other liquid phase separation

Biological treatment 52WT Activated sludge 53WT Fixed film-trickling filter 54WT Fixed film-rotating contactor 55WT Lagoon or basin, aerated 56WT Lagoon, facultative 57WT Anaerobic 58WT Other biological treatment

Other wastewater treatment
59WT Wet air oxidation
60WT Neutralization
61WT Nitrification
62WT Denitrification
63WT Flocculation and/or coagulation
64WT Settling (clarification)
65WT Reverse osmosis
66WT Other wastewater treatment

### OTHER WASTE TREATMENT

1TR Other treatment 2TR Other recovery for reuse

### ACCUMULATION

1A Containers 2A Tanks

#### STORAGE

1ST Container (i.e., barrel, drum)
2ST Tank
3SI Waste pile
4ST Surface impoundment
5ST Other storage

## DISPOSAL

1D Landfill

2D Land treatment

3D Surface impoundment (to be closed as a landfill)

4D Underground injection well

<sup>&</sup>lt;sup>1</sup>Chemical precipitation is a treatment operation whereby the pH of a waste is adjusted to the range necessary for removal (precipitation) of contaminants. However, if the pE is adjusted solely to achieve a neutral pH, THE OPERATION SHOULD BF CONSIDERED NEUTRALIZATION (60WT).

Yes	ing the appi	copriate resp	onse.	Secondary  been submit	••••••	
Indicate by circl Yes No	ing the appi	copriate resp	onse.	· • • • • • • • • • • • • • • • • • • •	••••••	
Indicate by circl Yes No	ing the appi	copriate resp	onse.	· • • • • • • • • • • • • • • • • • • •	••••••	
Indicate by circl Yes No	ing the appi	copriate resp	onse.	· • • • • • • • • • • • • • • • • • • •	••••••	
Yes No	ing the appi	copriate resp	onse.	· • • • • • • • • • • • • • • • • • • •	••••••	
No	•				•	
Complete the fo	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • •		
Complete the fo					• • • • • • • • • • • •	
2				-		
		<del></del>				
Indicate by circli	ng the appro	opriate respo		• • • • • • • • • • • • • • • • • • • •	••••••	1
S = Scrubber ( E = Electrosta	ing codes to include type tic precipit	o designate t e of scrubber tator	he air pollu	ution control		
	Indicate by circli Yes No Use the follow S = Scrubber ( E = Electrosta ) = Other (special)	Indicate if Office or by circling the approximately approx	Indicate if Office of Solid Waste by circling the appropriate responsible.  No	Indicate if Office of Solid Waste survey has by circling the appropriate response.  Yes	Indicate if Office of Solid Waste survey has been submitted by circling the appropriate response.  Yes	Indicate if Office of Solid Waste survey has been submitted in lieu oby circling the appropriate response.  Yes

## PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

<u>CBI</u>	Mark (X) the appropriate conthe following data elements element the year in which year cords for that data element explanation and an example.	for hourly ou began mai nt are maint	and salaried ntaining red	workers. Specify ords and the number	for each data
	Data Element	Data are Ma Hourly Workers	intained for Salaried Workers	Year in Which Data Collection Began	Number of Years Records Are Maintaine
	Date of hire	X		86	20+
	Age at hire	$\overline{X}$	$\overline{\chi}$	86	30+
	Work history of individual before employment at your facility	$\angle$		<u> </u>	30 t
	Sex			<u> 56</u>	DOF
	Race	<del>\( \)</del>		26	30.7
	Job titles	$\overline{}$		<u> </u>	30+
	Start date for each job title	$\frac{\lambda}{\lambda}$	<u> </u>	E6	30,+
	End date for each job title	$\overline{}$		26	30+
	Work area industrial hygiene monitoring data	<u> </u>	<u> </u>	87	<u>30+</u>
٠.	Personal employee monitoring data	$\overline{}$		£7	<u> 30+</u>
	Employee medical history	<u> </u>		<u>E6</u>	30+
	Employee smoking history	$\underline{X}$		96	30t
	Accident history	<u>X</u>		86	30+
	Retirement date	NA	NA-	NA-	NA
	Termination date	<u>X</u>	<u>X</u>	86	30+
	Vital status of retirees	NA	<u> </u>	NA	NA
	Cause of death data	NV	_NA	<u>NA</u>	<u>N4</u>

 $<sup>[\ ]</sup>$  Mark (X) this box if you attach a continuation sheet.

## CONFIDENTIAL

a.	<b>b.</b> .	c.	d.	e.
Activity	Process Category	Yearly Quantity (kg)	Total Workers	Total Worker-Hou
Manufacture of the	Enclosed			
listed substance	Controlled Release			
· · · · · · · · · · · · · · · · · · ·	0pen			
On-site use as	Enclosed	<del>/</del>		<i></i>
reactant	Controlled Release	(	8_8	<u></u>
	0pen			-
On-site use as	Enclosed			•
nonreactant	Controlled Release			-
<del>-</del>	0pen		<u> </u>	
On-site preparation	Enclosed			
of products	Controlled Release			
	0pen			
			• .	
			•	
		•		
		•		

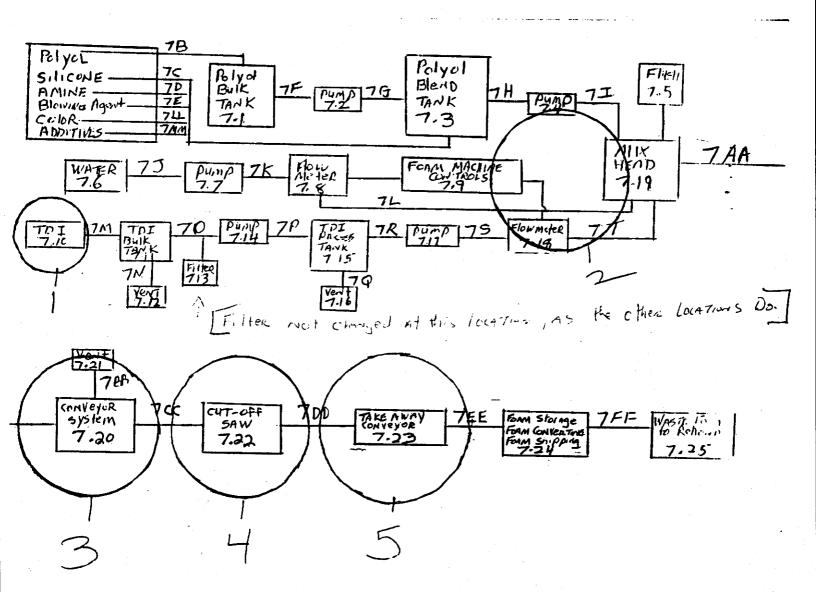
## CONFIDENTIAL

BI	in which you engage.	Rebond Carpet	PAD MEZ		
<u></u> 了	<b>a.</b>	<b>b.</b> ,	<b>c.</b>	d.	۴.
***	Activity	Process Category	Yearly Quantity (kg)	Total Workers	Total Worker-Hour
	Manufacture of the listed substance	Enclosed Controlled Release			
		0pen			
	On-site use as reactant	Enclosed  Controlled Release		) 2	
		Open			*.
On-site use as nonreactant	On-site use as	Enclosed			
	nonreactant	Controlled Release			•
	•	0pen			
	On-site preparation	Enclosed			
	of products	Controlled Release			
		0pen			
				· ·	
			•	**************************************	
		•			

9.03 Provide a descriptive encompasses workers wh listed substance.  CBI	job title for each labor category at your facility that o may potentially come in contact with or be exposed to the
ı <u>_</u> 1	
Labor Category	Descriptive Job Title
<b>A</b>	Pouring Supervisor
. В	Chemical ASSIJANT
С	PlATERIAZ HANdlers
D	REDOND MACHINE OPERATOR
E	LEAD PERSON - PELLUND DEPT.
F	
G	
Н	
I	•
<b>. . .</b>	
u.	

In accordance with the instructions, indicate associated work areas.	provide you	r process	block	flov	diagram(s)	and
Indicate associated volve access						

[] Process type ..... Fletible Slabstock folyuzethanic Foarn Mfg.



<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

9.0	4 In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas.
<u>CB1</u>	1 Process type Relicivid Cappet PAD Mtg.
Culor 7.3 Brz, I	PRIVOL RUIK TAK TAK TAK TAK TAK TAK TAK TAK TAK TA
74 UTIND 7.1	PER 75 From 74 Shreddy 74 Screen

<sup>[</sup>\_] Mark (X) this box if you attach a continuation sheet.

9.05	additional areas not	s work area(s) shown in question 9.04 that encompass workers we in contact with or be exposed to the listed substance. Add t shown in the process block flow diagram in question 7.01 or its question and complete it separately for each process type.	
CBI		2	
(_)	Process type	Flexible Slab Stock Polyunethrice Foam Mfg.	
	Work Area ID	Description of Work Areas and Worker Activities	
	1	AND UNLOADS to BUIKTDI tank  pumping system, From Machine Controls - Supervisor +	<b>&gt;</b>
	2	2 Chemical Assistants involved in Start ups 2 Chemical Assistants involved in Start ups 2 Chemical Assistants involved toward holder up	
	3	2 Chemical Asistants inside tunnel holding up Statuting block.	
	4	Chemical Assistant operates autoff saw to cut form. is to marks burs with project information) maturial Handlers remove bur for conveyor	
	5	I move it to cuizing ARCA	
	6		
	7	•	
	8	•	
	10		· · · · · ·
			•

9.05 CBI	additional areas not	work area(s) shown in question 9.04 that encompass workers who in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.
[_]	Process type	Rebond Cappet AD Mg.
	Work Area ID	Description of Work Areas and Worker Activities
	. 1	Rebend operator operates controls that mixes the bindus with Ground from The Report LEAD pension (uts the rebond bun with
	2	THE PEDOND LEAD DEADYN (ut) the rebord bun with
	3	
	4	
	5	
	6	
	7	•
	8	
	9	
	10	
-		
		u attach a continuation sheet.

# CONFIDENTIAL

9.06 CBI	each labor of come in cont	ategory at your act with or b	able for each wo our facility that be exposed to the ly for each product	at encompa he listed cess type	sses worker substance. and work ar	s who may pot Photocopy thea.	entially
[ <u><del></del></u>	Process type		Texible 5	1465 bcu	2 Blyunet	have Form	-MT
	Work area	•••••	• • • • • • • • • • • • • • • • • • • •			1-5	<u> </u>
1 2 3 4 C	Labor —Category  14  17,13  13	Number of Workers Exposed	Mode of Exposu (e.g., dir skin conta Dinaya Skin Falara In hara In hara In hara	rect rect rect rect rect rect rect rect	Physical State of Listed ubstance SL,GU	Average Length of Exposure Per Day <sup>2</sup>	Number of Days per Year Exposed
5		_5_	FrihAZA710	<u> </u>	<u>64</u>		<u> </u>
							-
					· ·		
				· —			
	the point of  GC = Gas (contemper GU = Gas (to temper include SO = Solid  2 Use the following the contemper include SO = Solid	condensible at a ture and present and present and present and present and present and present at ture and present at a ture and a ture at a ture a	essure) at ambient essure;	SY = S1 AL = Aq OL = Or IL = Im (s	udge or slu ueous liqui ganic liqui miscible li pecify phas % water, 10	rry d d quid es, e.g., % toluene)	stance at
	exceedin C = Greater	es or less than 15 minut ng 1 hour than one hour ng 2 hours	·	exc E = Gre exc	eeding 4 ho	hours, but no urs	
( <u>_</u> )	Mark (X) this	box if you a	ittach a continu	ation she	et.		

## CONFIDENTIAL

[ <u><del>T</del></u> ]	Process type	<u>F</u>	epond u	mpet	PAG //	ty co	<i>.</i>			
	Work area				1-2					
NK ZEA	Labor Category	Number of Workers Exposed	Mode of Expost (e.g., din skin conta	rect	Physical State of Listed Substance	Average Length of Exposure Per Day <sup>2</sup>	Number o Days per Year Exposed			
		2	In hACTI		<u>G4</u> <					
0		2	In way	<u>ud</u>	GU <					
							•			
			-		·		•			
				·			·			
	<sup>1</sup> Use the foll the point of	owing codes to exposure:	designate th	e physic	cal state of	the listed sul	stance at			
	temper GU = Gas (u temper	ature and pres ncondensible a ature and pres	at ambient ssure;	AL = OL =	Sludge or slu Aqueous liqu Organic liqu Immiscible li	ld ld				
	includ SO = Solid	es fumes, vapo	ors, etc.)		(specify phase 90% water, 100%)					
	<sup>2</sup> Use the foll	owing codes to	designate av	er <b>age</b> le	ngth of expos	sure per day:				
		than 15 minute	es, but not	е	xceeding 4 ho					
		g 1 hour	but not		reater than 4 xceeding 8 ho	hours, but n	ot			

9.07	Weighted Average (TW	ory represented in question 9.0 A) exposure levels and the 15-m ion and complete it separately	inute peak exposure levels.
CBI		Fletible Slab Sterk f	Olymethank Form Mg.
JUZIS Seca	Work area Labor Category	8-hour TWA Exposure Level (ppm, mg/m³, other-specify)	15-Minute Peak Exposure Level (ppm, mg/m³, other-specify)
	A	UK	UK
2	A.B	.002	υK
3	B	11K	UK
345	3	0045	υK
5		UK	1016
مر <u> </u>			•
			•
	•		

	9.07	Methured Whetabe (IA	A) exposite levels and	the 15-minu	indicate the 8-hour Time te peak exposure levels. each process type and work
. 1	CBI		_ \	. 0	20
	[_]	Process type	Report Cange	+ IAD	// (tg.
		Work area	•••••	• • • • •	[-2
JORK	Anda	Labor Category	8-hour TWA Exposure (ppm, mg/m³, other-s	Level pecify)	15-Minute Peak Exposure Level (ppm, mg/m³, other-specify)
i			0065		UK
,	2	<u> </u>	,00046		UK
					•
					•
	_				
				-	
	•				
				And the second second	

•						
	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who .	Analyzed In-House (Y/N)	Number of Years Records Maintained
Personal breathing		VARKED	VAPLED	B	N	30+
General work area (air)	2,34	VARIED	VARIED	B	N	30 t
Wipe samples	NA	AU.	NA	_ NA	NA	NA
Adhesive patches	NA	_ NA_	IVA	<u>NA</u>	_NA_	<u>NA</u>
Blood samples	NA	NA			W)	NA -
Urine samples	p/ P	NA	- W		<u> </u>	<u>M</u> -
Respiratory sample	s  -L	PUNLAL		P	<u>N</u>	30+
Allergy tests	NA	<u> </u>	17	NA	NA	NA
Other (specify)						
Contet physican	1-4	ANNUAL		$\mathcal{D}$	<u>N</u>	30+
Other (specify)						
Other (specify)				·		
<sup>1</sup> Use the following	codes to de	esignate who	takes the	monitoring	samples:	
A = Plant industri B = Insurance carr C = OSHA consultar D = Other (specify	rier it ,	nd			•	

Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who Samples <sup>1</sup>	Analyzed In-House (Y/N)	Number Years Ro Hainta
Personal breathing zone	1-2	LARIED	VARIE)	B	N	30
General work area (air)	[-2	MMG)	Varies)	B	N	30+
Wipe samples	NA	<u> </u>	NA	ΛA	<u>na</u>	<i>r</i> \-
Adhesive patches	<u> </u>		<u>VA</u>	NA.	hA	A
Blood samples	<u>NA</u>	1A	NA	<u> </u>		-A
Urine samples	Mi	-NA	NA	N+	_A_	A
Respiratory samples		Amount		$\square$		_307
Allergy tests	$\frac{\hat{F} \cdot \hat{\Lambda}}{ \hat{A} }$	P.V.	FV	<u>M</u>		-nA
Other (specify)		Υ.	i		• ,	5 . (
Other (specify)		Haning 2		<u> </u>		<u>30+</u>
Other (specify)			-		• .	
<sup>1</sup> Use the following co  A = Plant industrial B = Insurance carrie C = OSHA consultant D = Other (specify)	hygienis		takes the m	nonitoring	samples:	

Use the following codes to designate personal air monitoring equipment type  A = Passive dosimeter  B = Detector tube  C = Charcoal filtration tube with pump  D = Other (specify)  Use the following codes to designate ambient air monitoring equipment types  E = Stationary monitors located within work area  F = Stationary monitors located within facility	ing and
specify the following information for each equipment type used.  CBI  Equipment Type  Detection Limit  Manufacturer  Time (hr)  Mode   "Use the following codes to designate personal air monitoring equipment type  A = Passive dosimeter  B = Detector tube  C = Charcoal filtration tube with pump  D = Other (specify)  Use the following codes to designate ambient air monitoring equipment types  E = Stationary monitors located within work area  F = Stationary monitors located within facility	<u> </u>
specify the following information for each equipment type used.  CBI  Equipment Type  Detection Limit  Manufacturer  Time (hr)  Mode   "Use the following codes to designate personal air monitoring equipment type  A = Passive dosimeter  B = Detector tube  C = Charcoal filtration tube with pump  D = Other (specify)  Use the following codes to designate ambient air monitoring equipment types  E = Stationary monitors located within work area  F = Stationary monitors located within facility	
Averaging  Time (hr) Mode  **Detection Limit** Manufacturer Time (hr) Mode  **Detection Limit**  **Use the following codes to designate personal air monitoring equipment type  A = Passive dosimeter  B = Detector tube  C = Charcoal filtration tube with pump  D = Other (specify)  Use the following codes to designate ambient air monitoring equipment types  E = Stationary monitors located within work area  F = Stationary monitors located within facility	ce,
A = Passive dosimeter B = Detector tube C = Charcoal filtration tube with pump D = Other (specify) Use the following codes to designate ambient air monitoring equipment types E = Stationary monitors located within work area F = Stationary monitors located within facility	l Number
A = Passive dosimeter B = Detector tube C = Charcoal filtration tube with pump D = Other (specify) Use the following codes to designate ambient air monitoring equipment types E = Stationary monitors located within work area F = Stationary monitors located within facility	•
A = Passive dosimeter B = Detector tube C = Charcoal filtration tube with pump D = Other (specify) Use the following codes to designate ambient air monitoring equipment types E = Stationary monitors located within work area F = Stationary monitors located within facility	
G = Stationary monitors located at plant boundary	
<pre>H = Mobile monitoring equipment (specify) I = Other (specify)  2Use the following codes to designate detection limit units:</pre>	
<pre>A = ppm B = Fibers/cubic centimeter (f/cc) C = Micrograms/cubic meter (μ/m³)</pre>	
	#

	Test Description	•		Frequenc (weekly, monthly, y	y vearly, etc.)
tulmo	wary tunction is	esting_	E	TUNUAL ON A	-5
	•		Ĺ	hysician recomm	newds
					nos)
			_		
			<del></del>		
			_		
	•				
					·—.
					•
					• •
-					
• •					
		<u>.</u>			
			•		
		•			
	e de la companya de La companya de la co			•	
•					
	•				

12 Describe the engineering c to the listed substance. process type and work area	Photocopy this • —	s question and comp	or eliminate wordelete it separa	rker exposure tely for <b>ea</b> cl
Process type	I-lex.ble	Slabsteck	Polyunethanie	Form ME
Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgraded
Ventilation: Local exhaust	<u> </u>	UK	N	
General dilution Other (specify)				
Vessel emission controls Mechanical loading or				
packaging equipment Other (specify)				: 

. 12 31	Describe the engineering c to the listed substance. process type and work area	Photocopy this ·	question and compl	lete it separat	tely for ea
 	Process type	Pepani	CARpet PA	td Mfg	•
	Work area				
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgrade
	Ventilation: Local exhaust		UK	N	
	General dilution Other (specify)				•
	Vessel emission controls	·			
	Mechanical loading or packaging equipment		· · · · · · · · · · · · · · · · · · ·		
	Other (specify)				

	ss type	<u>E</u>	letible	Slabsloc	K loly	upetha.	rie For	un /	17
Work	area Equipmen	nt or Pr	ocess Mod	dification	<del></del>		Red Expo	uction sure Pe	in Wor r Year
			-, <b></b>			·			
					<del></del>				
•									• ~~
-	÷								
							•		
·									
						•			

13	Describe all equiparties to the report the listed substantihe percentage reducing the percentage reduc	ting year ce. For e uction in	that have ach equip exposure	e resulted i pment or pro that result	n a reduc cess modi ed. Phot	tio of we fication of ocopy this	orker expos lescribed.	ure t state
± -]	Process type	Pol	V*1 5	CARDET	Pad	MS		
_	Work area	··· <u> </u>	1000	<u> </u>	110	7 8		
		t or Proce	ss Modif	ication			tion in Vor re Per Year	
							· · · · · · · · · · · · · · · · · · ·	
•								
					·			
	·							
								•
	-							
						•		
	•							

PART	D PERSONAL PROTECTIVE AND SAFETY EQUIPMENT			$\rightarrow$
9.14	Describe the personal protective and safety equin each work area in order to reduce or elimina substance. Photocopy this question and complete and work area.	ate their exposu	re to the	: listed
CBI		_ 41	1	
[_]	Process type Fryible Polyurethank	= topen //	<u>tz/</u>	<del></del>
	Work area		. 1, 3	<del>5, 4</del>
				,
		Wear or		
	Equipment Types	Use <u>(Y/N)</u>		
,	Respirators	<u> </u>		•
	Safety goggles/glasses	<u> </u>		. •
	Face shields	<u> </u>		. •
	Coveralls	$\sim$		•
	Bib aprons	$\sim$		
	Chemical-resistant gloves	$\overline{\lambda}$		
	Other (specify)			
	CHEMICAZ ROSIST Shors	Y		
	Complete Un forms	<del></del>		
	Changed DAILY	-		

14 <u>I</u>	in each work area	onal protective and safety in order to reduce or elim copy this question and comp	minate their exposu	re to the lis	sted
_1	Process type	Flexible foly	unethruc For	~ MV	
	Work area		•••••	2	<del></del>
			Wear or		
		Fauinment Tunes	Use (Y/N)		
		Equipment Types	\(\frac{17\k}{\lambda}\)		
		Respirators	<del>- '\</del>		•
		Safety goggles/glasses			•
		Face shields			•
		Coveralls			
		Bib aprons	<del></del>	. 1	
		Chemical-resistant glove	es / / ^	reedel	
	•	Other (specify)	. 1		
		Chemur Fernt Stues	<u> </u>		
	•	Candle Unitorins			
		Chanised DAILY	,		
				÷ .	.*

PART  9.14		IVE AND SAFETY EQUIPMENT  nal protective and safety equi	ipment that your wor	kers wear or use
,	in each work area substance. Photoco	in order to reduce or eliminatopy this question and complete	te their exposure to	the listed
CBI	and work area.	<i>T</i> 1	1	1
[_]	Process type	Febono Campet 12	ad My	- V
. •	Work area		·····	<u> I</u>
	,			
			Wear or Use	
		Equipment Types	(Y/N) (Y/N)	
		Respirators ( 1001) type	- <del>- (\ -</del>	
		Safety goggles/glasses	N	• • • • • • • • • • • • • • • • • • •
		Face shields	7	•
		Coveralls	~	
		Bib aprons	$\overline{N}$	
		Chemical-resistant gloves	<u> </u>	
		Other (specify)		
			-	
				:

	rocess type	Equipment Types	Wear or Use (Y/N)		
			Use		
		Equipment Types	Use		
		Equipment Types	(Y/N)		
			<del>- (2-1/-</del>		
		Respirators			
		Safety goggles/glasses	<del></del>		•
		Face shields	<i>-</i> ∼		:
		Coveralls	$\frac{1}{2}$		-
	· · · · · · · · · · · · · · · · · · ·	Bib aprons	~		
		Chemical-resistant gloves	<u> </u>		
•		Other (specify)		•	

<u>CBI</u>	Proces	s type	•••••	Flet ble	. Polyure	ethade	Form	M7	Z'.
	Work Area	Air Sun	Туре	itor (ILCD)	Average Usage	Fit Tested (Y/N)	Type Fit To	of est <sup>2</sup>	Frequency of Fit Tests (per year)
	34	Air Suppl	100 Post Hi	Ressure	F	NA			
			-					· · · · · · · · ·	
	$\mathbf{E} = 0\mathbf{t}$	nthly ce a year her (spec:							
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	 of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		
	B = We C = Mo D = On E = Ot F = Use the	nthly ce a year her (spec: AVC 글 선4 e followin	Y A Wee	to designate	the type o	of fit te	st:		

9.15	process respira tested,	type, the tors used, and the t	work are the ave ype and	eas where t rage usage,	he respira whether o f the fit	tors are us	substance, sp sed, the type respirators w otocopy this	ere fit
<u>CBI</u>	Process	type	<del>[</del>	Pebonif	o Carl	set ta	FM CF	ς, .
	Work Area	Air Suppl	Respirato Type	k Hood)	Average Usage	Fit Tested (Y/N)	Type of Fit Test <sup>2</sup>	Frequency of Fit Tests (per year)
	A = Dai B = Wee C = Mon D = Onc E = Oth	ly kly thly e a year er (specify	y)	designate			<b>:</b>	
		alitative antitative						
								·

1	PΑ	RT	E	WORK	PRA	CTI	CES
- 2		L L	E	WUL	r nn	-11	



9.19 <u>CBI</u>	Describe all of the work peliminate worker exposure authorized workers, mark a monitoring practices, prov question and complete it s	to the listed su reas with warnin ide worker train	ibstance (e.g ng signs, ins ning programs	., restrict en ure worker den . etc.). Phon	ntrance only to tection and tocopy this
[_]	Process type Fky	ible Slabster	K Polyure	thane Foa	m Mg
	Work area inojection	• • • • • • • • • • • • • • • •	*********	1-4	U
	2. TRAINING PROJECT	PHAZAND CO	mmunication	(te)	
	3. UNITORM CHANG	ed daley	and Lai	indul regi	July)
	b. Lumbed Heless				7
	5. lega up dalea	N505 1A	Weakell	4CE	
	6. Run expersive	- Availenns	when So	une Hunny C	nanges.
9.20	Indicate (X) how often you leaks or spills of the list separately for each process	perform each ho ed substance. type and work	usekeeping ta Photocopy thi area.	isk used to cl s question an	ean up routine d complete it
	Process type	etible JIX	25 lack Toly	religat to	m Mg
	Work area				
	Housekeeping Tasks	Less Than Once Per Day	1-2 Times Per Day	3-4 Times Per Day	More Than 4 Times Per Day
	Sweeping				
	Vacuuming				-
	Water flushing of floors			·	
	Other (specify)				
/	V We do not how lecause it is use en geneering controlle neutralistal.	e Neutine d in a clo . Any TDI	bable of ned Tyste Spill in	Spiele of m, AND Vi	TDI 1950 due to monadeally
	Nort (Y) this how if you at			· · · · · · · · · · · · · · · · · · ·	

	$\Lambda$
-	
,	#

### PART E WORK PRACTICES

	D				1
9.19	Describe all of the work eliminate worker exposure authorized workers, mark monitoring practices, pro	to the listed s areas with warni vide worker trai	substance (e.g ing signs, ins ining programs	g., restrict e sure worker de s, etc.). Pho	entrance only to etection and etocopy this
CBI	question and complete it	separately for e	each process t	ype and work	area.
[_]	Process type Fey	ibe Slabstock	Polyunethy	ve Foan	MG.
	Work area			5	·.
	1 Tealousia Pa	00 com /H	bozard Comm	AL ALCA TION	
	1. TRAINING PA 2. Access to	61676	) / (	11 1	<u> </u>
	2 11((es) he	11505 (1	COUNTED DY	MAZAID (US	m
	3 FUN Et	Josus Moni	toring with	in Gene Hu	y charges (piece
	Annual Control of the				· ~ .
					•
.20	Indicate (X) how often you leaks or spills of the lis separately for each proces  Process type	ted substance.	Photocopy thi	ask used to clis question an	lean up routine nd complete it
.20	leaks or spills of the lis	ted substance.	Photocopy thi	ask used to clis question an	lean up routine nd complete it
	leaks or spills of the lis separately for each proces Process type	ted substance.	Photocopy thi	3-4 Times Per Day	More Than 4 Times For Day
	leaks or spills of the lis separately for each proces  Process type  Work area	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping  Vacuuming	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4
	leaks or spills of the lis separately for each proces  Process type  Work area  Howsekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy this area.	is question and and and and and and and and and an	More Than 4

9.19 EBI	Describe all of the work eliminate worker exposure authorized workers, mark monitoring practices, proquestion and complete it	to the listed s areas with warni wide worker trai	substance (e.g ng signs, ins ning programs	., restrict e ure worker de , etc.). Pho	ntrance only to tection and tocopy this
<u>_</u> ]	Process type Fe	DOND CARD	et l'AD	MG.	
	Work area		• • • • • • • • • •		
	1. Respiratory	Protection			
	7 Tiztivina Pac	Caran			
	3. Updated 1	3	WORKPLA	X €	
	4 Pun exposu	ue Min love	1,2,0,0	nom - Hum	Charcas
	T. LON TOOL	Le IVIII I FULL	8 a comment	CHE IVAL	:
20	Indicate (X) how often you leaks or spills of the lisseparately for each process.  Process type	sted substance.	Photocopy thi	s question ar	nd complete it
20	leaks or spills of the lisseparately for each process  Process type	sted substance. ss type and work	Photocopy thi	s question ar	More Than 4 Times Fer Day
20	leaks or spills of the lisseparately for each process  Process type  Work area	Less Than	Photocopy this area.  Per Pap 1  1-2 Times	3-4 Times	Hore Than 4
	leaks or spills of the lisseparately for each process  Process type  Work area  Housekeeping Tasks	Less Than	Photocopy this area.  Per Pap 1  1-2 Times	3-4 Times	Hore Than 4
	leaks or spills of the lisseparately for each process  Process type  Work area  Housekeeping Tasks  Sweeping	Less Than	Photocopy this area.  Per Pap 1  1-2 Times	3-4 Times	Hore Than 4
	leaks or spills of the lisseparately for each process  Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming	Less Than	Photocopy this area.  Per Pap 1  1-2 Times	3-4 Times	Hore Than 4
	leaks or spills of the lisseparately for each process  Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming  Vacuuming  Vater flushing of floors	Less Than Once Per Day	Photocopy this area.  1-2 Times Per Day	3-4 Times Per Day	More Than 4 Times Fer Day

9.21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?
	Routine exposure
	Yes
	No 2
	Emergency exposure
	Yes 1
	No 2
	If yes, where are copies of the plan maintained?
	Routine exposure:
	Emergency exposure:
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.
	Yes 1
	No 2
	If yes, where are copies of the plan maintained?
	Has this plan been coordinated with state or local government response organizations? Circle the appropriate response.
	Yes 1
	No 2
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response.
	Plant safety specialist 1
	Insurance carrier 2
	OSHA consultant 3
	Other (specify)
	Mark (X) this box if you attach a confinuation sheet.

### SECTION 10 ENVIRONMENTAL RELEASE

#### General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

10.01 CBI	Where is your facility located? Circle all appropriate responses.
 [_]	Industrial area
	Urban area
	Residential area
	Agricultural area 4
	Rural area 5
	Adjacent to a park or a recreational area
	Within 1 mile of a navigable waterway 7
	Within 1 mile of a school, university, hospital, or nursing home facility 8
	Within 1 mile of a non-navigable waterway9
	Other (specify)10

10.02	is located) in terms of latitude and (UTM) coordinates.	longitude or	Universal Transv	erse Mercader
	Latitude	•••••	<u>37</u> .	36.52
	Longitude	•••••••	. 122	2.57
	UTM coordinates Zone	, Nor	thing,	Easting
10.03	If you monitor meteorological condition the following information.	ons in the vic	inity of your fa	acility, provide
	Average annual precipitation	• • • • • • • • • • • •	•	inches/yea
	Predominant wind direction			Inches/yea
10.04	Indicate the depth to groundwater belo	w your facili	tv.	-
	Depth to groundwater			
				meters
10.05 CBI	For each on-site activity listed, indiclisted substance to the environment. (Y, N, and NA.)	cate (Y/N/NA) (Refer to the	all routine relinstructions fo	eases of the r a definition of
[_]	On-Site Activity	En Air	vironmental Relo	ease Land
	Manufacturing	NA	NA	NA
	Importing	NA	NA	NA
	Processing		N	N
	Otherwise used	NA	NA	NA
•	Product or residual storage	Y	N	N
	Disposal	NA	NA	NA
•	Transport	NA	NA	NA
	•			
l Ma	erk (X) this box if you attach a continu			
	Joh 12 you attach a continu	ualion sheet.		

10.06	Provide the following information for the listed substance and spe of precision for each item. (Refer to the instructions for further	cify the lovel r explanation and
<u>CBI</u> [크]	CONFIDENTIAL	7
(2)	Quantity discharged to the air	/ kg/yr + /,0 *
	Quantity discharged in wastewaters	kg/yr + *
	Quantity managed as other waste in on-site treatment, storage, or disposal units	kg/yr ± %
	Quantity managed as other waste in off-site treatment, storage, or disposal units	kg/yr + ½

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

10.08 <u>CBI</u>	for each process street process block or resident and complete it separate	technologies used to minimize release of t cam containing the listed substance as iden dual treatment block flow diagram(s). Pho ately for each process type.	tified in vour
[_]	Process type	Fletible Slabstick Folyune thanks	Form Mig.
	Stream ID Code	Control Technology	Percent Efficiency
	we do not	use any control techn	dones and
	we release	the TDI to the ATMOSPH	ne.
		•	
			-
			-
•			

10.08 <u>CBI</u>	for each process street process block or resi	technologies used to minimize release of t eam containing the listed substance as iden dual treatment block flow diagram(s). Pho- eately for each process type.	tified in you
[_]	Process type		
	Stream ID Code	Control Technology	Percent Efficiency
	[.n in 00	the control tolor	
	<u> </u>	at we are control tem	No
	- And we w	Place JD L Drussions to	
	al Marsh	^(	
			* <del></del>
			•
	-		· ·
٠			
-			
•			

PART B	RELEASE TO	AIR					
10.09 CBI	substance in residual tre	e Emissions Ide terms of a Streat eatment block flow not include raw r g., equipment lead ocess type.	diagram(s), material and (s). Photoco	and prov product s ppy this q	ide a descript torage vents, uestion and co	ion of each p	oint mission
	Process type	· · · · · Toly	We MANE	term	Mitez.		
	Point Source	(	De	escription	of Emission 1	Point Source	·
	ID Code 78B	• .			Penchin Z		·
			<u> </u>				
		,					
							<u>.</u>
							<u> </u>
							·

Foint Source Emissions Identify each emission point source containing the I substance in terms of a Stream ID Code as identified in your process block or residual treatment block flow diagram(s), and provide a description of each posource. Do not include raw material and product storage vents, or fugitive em sources (e.g., equipment leaks). Photocopy this question and complete it sepa for each process type.  Process type									
Point Source			Description of	Emission Point So	ırce				
ID Code		VenT	FAN from	Conveyor "	nold_				
		·							
		·			<u> </u>				
	•	· .							
. •									

Maik (X)

	COT	10,09 b	n Character: y completin	istics — — Ch g the followi	aracterize the	emission for	each Point	Source ID Cod	e identified	in question
	回回	Point Source ID Code	Physical State	Average Emissions (kg/day)	Polyto Frequency <sup>2</sup> (days/yr)	Duration: (min/day)	Average Dnission Factor	Maximum Emission Rate (kg/min)	Maximum Emission Rate Frequency (events/yr)	Maximum Emission Rate Duration (min/event)
				/				UK	UK	-UK
<b>V</b>										
		<del></del>								
$\subseteq$								-	•	
	}. : <b>=</b> _									
ر							-			•
		<del></del>								
					<del></del>					
٠		<sup>1</sup> Use ti G = G	he following as; V = Vapo	g codes to des or; P = Partic	signate physic culate; A = Ae	al state at throsol; 0 = 0th	e point of reer (specify)	elease:		<u>-</u> _
		_			level of emiss				<del></del>	
,	•				evel of emissi					
		<sup>4</sup> Avera	ge Emission		ovide estimate		nt) emission	factor (kg of	emission per	kg of

10.10 Bmission characteristics Characterize the emissions for each Point Source ID Code identified in question  10.09 by completing the following table.    Point					of releatify)	Frequency of emission at any level of emission	<sup>3</sup> Duration of emission at any level of emission	Average Emission Factor — Provide estimates ( $\pm$ 25 percent) emission factor (kg of emission per kg of production of listed substance)
	<u></u>		 	 				

<u> 31</u>		o, in quost		completing  \( \rightarrow \lambda \cdot \forall	Mone	toam /2	15/	
_1	Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building <u>Height(m)</u> i	-	Vent Type
	1/6B	1.62	1.21	ambient tlo	UK	6.09	97.5	1/
			***************************************	· · · · · · · · · · · · · · · · · · ·				
								- ·· - ·· <del>-</del>
								-
			<del></del>		<del></del>			<u>.</u>
	-		<del>.</del>			4-44-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	-	
•	<sup>1</sup> Height of	attached (	or adjacent	building				`.
	<sup>2</sup> Width of	attached or	r adjacent b	uilding				•
	<sup>3</sup> Use the f	ollowing co	odes to desi	gnate vent t	/pe:			
	H = Horiz V = Verti							

CBI				Lehx	N'D RO	m Cryu	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
[_]	Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m)	Building Width(m) <sup>2</sup>	Vent Type,
	7 <sup>V</sup>	MA	NA	<u> </u>	<u>U/4</u>	6.09	97.5	~/
		Fan	in Cea	i /i~ż				
	*							
								•
	- -							•
			or adjacent					
-			r adjacent b					
	H = Hori: V = Vert	zontal	odes to desi	gnate vent t	ype:			
	,							

10.12 CBI	If the listed substance is emitted in particulate form, indicate the particle size distribution for each Point Source ID Code identified in question 10.09. Photocopy this question and complete it separately for each emission point source.						
[_]	Point source ID code						
	Size Range (microns)	Mass Fraction (% ± % precision)					
	< 1						
	≥ 1 to < 10						
	≥ 10 to < 30						
	≥ 30 to < 50						
	≥ 50 to < 100						
	≥ 100 to < 500						
	≥ <b>5</b> 00	•					
		Total = 100%					
	-						
,							

10.13	Equipment Leaks Complet types listed which are exp according to the specified the component. Do this fo residual treatment block f not exposed to the listed process, give an overall per	weight perc r each proce low diagram( substance.	ent of the state o	de listed dentified ot includes a batch	ind which substance in your e equipme or inter	are in sering process lent types mittently	ervice through block or that are operated		
CBI	exposed to the listed subst for each process type.	lance. Phot	copy thi	s questio	n and com	plete it	separatel		
[_]	Process type Flexible Slabstock Polyunethance Form								
	Percentage of time per year that the listed substance is exposed to this process.								
•	type	• • • • • • • • • • • • •	• • • • • • • • •		· /· /· / A	-···· -	1000		
			Number of Components in Service by Weight Percent of Listed Substance in Process Stream						
	Equipment Type	Less than 5%	5-10%	11-25%	26-75%	76 00%	Greater		
	Pump seals <sup>1</sup>			11 25/8	20-13%	70-33%	than 99		
	Packed						•		
	Mechanical						-		
	Double mechanical <sup>2</sup>								
	Compressor seals <sup>1</sup>	***********							
	Flanges								
	Valves		<del></del>						
	Gas <sup>3</sup>								
	Liquid						<del></del>		
	Pressure relief devices (Gas or vapor only)								
	Sample connections								
	Gas								
	Liquid								
	Open-ended lines <sup>5</sup> (e.g., purge, vent)	· ·			<del></del>				
	Gas								
	Liquid								

compressors

continued on next page

10.13	types listed which are exp according to the specified the component. Do this fo residual treatment block f not exposed to the listed process, give an overall pe exposed to the listed subs	osed to the weight perc reach proce low diagram(substance.ercentage of	listed so ent of the ss type in s). Do no If this in time per	ubstance and listed dentified not included a batch year than	and which substance in your e equipme or inter t the pro	are in se passing process b nt types mittently cess type	rvice through Jock or that are operated is
CBI	for each process type.		1	$\wedge$	100.	610	`. I
[_]	Process type Pen	OND CAD	pet 1	AD_	11/19	(VH	- 
	Percentage of time per year	that the li	isted sub	stance is	exposéd	to this p	rorine
	type	• • • • • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • •		
		Number	of Compo	nents in i d Substan	Service b	y Weight	Egroent am
		Less					Greater
	Equipment Type	than 5%	<u>5-10%</u>	11-25%	<u>26-75%</u>	76-29%	than 993
	Pump seals <sup>1</sup>						-
	Packed	<u></u>					
	Mechanical				-		
	Double mechanical <sup>2</sup>						
	Compressor seals <sup>1</sup>					-	
•	Flanges						<u>.</u>
	Valves						•
	Gas <sup>3</sup>					-	
	Liquid						
	Pressure relief devices (Gas or vapor only)			· · · · · · · · · · · · · · · · · · ·			<del>-</del> .
	Sample connections						
	Gas			· .			
	Liquid						
	Open-ended lines <sup>5</sup> (e.g., purge, vent)						
	Gas		<del></del>				
	Liquid						

compressors

10.13 continued on next page

[ ] Mark (X) this box if you attach a continuation sheet.

will detect failure of the seal system.	with the barrier (B) fluid at a pressure sure and/or equipped with a sensor (S) that the barrier fluid system, or both, indicat								
	normal operation								
<sup>4</sup> Report all pressure relief devices in service, including those equipped with control devices									
<sup>5</sup> Lines closed during normal operation the operations	at would be used during maintenance								
enter "None" under column c.  a.  Number of Percent Chemi	13 to indicate which pressure relief pressure relief device is not controlled,  d.  cal  Estimated								
defer to the table in question 10.13 and intending entitled "Number of Components in Substance" (e.g., <5%, 5-10%, 11-25%, etc.) The EPA assigns a control efficiency of 10 with rupture discs under normal operating efficiency of 98 percent for emissions rounditions	Service by Weight Percent of Listed  )  O percent for equipment leaks controlled conditions. The EFA assigns a control								
	will detect failure of the seal system, with a "B" and/or an "S", respectively  Conditions existing in the valve during Report all pressure relief devices in secontrol devices  Lines closed during normal operation the operations  Pressure Relief Devices with Controls								

10.15 CBI	place, complete the procedures. Photocotype.	following table repopy this question an	garding tho nd complete	se leak det it separat	ection and r	epair
	Process type Flet	. hle Yulyunetha	de Fran	Mily		MA
	Equipment Type	Leak Detection  Concentration (ppm or mg/m³)  Measured at  Inches  from Source	Detection Device	Frequency of Leak Detection		Repairs Completed (days after
	Pump seals Packed Mechanical					
	Double mechanical Compressor seals Flanges Valves					
	Gas Liquid Pressure relief					
	devices (gas or vapor only)	· ·				
	Sample connections  Gas  Liquid					
	Open-ended lines Gas	· .				
	Liquid _					
	1 Use the following co POVA = Portable orga FPM = Fixed point mo O = Other (specify)	nic vapor analyzer nitoring		vice:		
јн	ark (X) this box if y	ou attach a continu	ation sheet	t.		

10.15	brace, comprete the	rorrowing table re	egarding tho	ection and repair program is in ose leak detection and repair e it separately for each process				
CBI	Process type Relacing	D Carpet AD	Mz.		NH	7		
·,	· · · · · · · · · · · · · · · · · · ·	Leak Detection Concentration	- ·	BRANZ LO	PAK Delect	on Prager		
	Equipment Type	(ppm or mg/m³) Measured at Inches Irom Source	Detection Device	Frequency of Leak Detection (per year)	Repairs Initiated (days after detection)	Repairs Completed (days after initiated)		
	Pump seals							
	Packed							
	Mechanical	· · · · · · · · · · · · · · · · · · ·						
	Double mechanical							
	Compressor seals							
	Flanges							
	Valves					•		
	Gas					•		
	Liquid -							
	Pressure relief devices (gas or vapor only)							
	Sample connections	74.	·					
	Gas							
	Liquid —							
	Open-ended lines		<del></del>					
	Gas							
	Liquid		-					
					·			
	<sup>1</sup> Use the following coo	des to designate d	etection de	vice:				
	POVA = Portable organ FPM = Fixed point mor O = Other (specify)	nic vapor analyzer nitoring		<del>-</del>				
						•		
	ark (Y) this box if 'yo							
' '''	are (ii) this box if yo	o attach a contin	uation sheet	•				

	_
,	_
	~
	acn
	'n
	-
	_
	þ
	n
	0
	cont
	'n
	5
	7
	nua
	101
	0
	S
	U
	=
	sne
	Ť

120

_ 			atment block						Operat	_				
, L	Vessel Type	Floating Roof Seals <sup>2</sup>	Composition of Stored Materials	Throughput (liters per year)	Filling Rate		Vessel Inner Diameter (m)		Volume	Vessel Emission Controls	Flow	Vent Diameter (cm)	Control Efficiency (%)	Basis for Estimate
CONFIDENTIAL														
	F CIF NCIF EFR P H	= Fixed n = Contact = Noncontact = External	internal flact internal l floating revessel (intal	oating roof floating ro	of		MS1 MS2 MS2 LM1 LM2 LMW VM1	= Med = Sho R = Rim = Liq = Rim = Wea = Var = Rim	chanical ne-mount n-mounte nuid-mounte n-mounte nther sh	shoe, printed secondard, secondard resiled shield nited resiled secondard secondard secondard	mary ary ary aient fi	lled seal		s:
	<sup>3</sup> Indic	cate weigh	it percent of	the listed	substance	e. Includ	e the tota	ıl volat	ile org	zanic conte	ent in p	arenthesi:	s	
	Other	r than flo	ating roofs										•	
	5Gas/v	vapor flow	rate the em	ission contr	ol device	e was desi	gned to ha	ndle (s	specify	flow rate	units)			
	<sup>6</sup> Use	the follow	ring codes to	designate b	asis for	estimate	of control	. effici	iency:	iiow rate	units)			
		Calculatio							•					

10.23	Indicate the date and time when the release occurred and when the release ceased was stopped. If there were more than six releases, attach a continuation sheet a list all releases.											
	Release	_	Date Started	Time (am/pm)	Date Stopped	Time (am/pm)						
		_										
	2	-	-			<u></u>						
	3	_										
	4											
	5											
	6	-										
10.24	Specify th	ne weather co	onditions at the	time of each r	elease.	•						
	Release	Wind Speed (km/hr)	Wind Direction	Humidity(%)	Temperature (°C)	Precipitatio						
	1											
	2											
	3											

[_]	Mark	(X)	this	box	if	you	attach	a	continuation	sheet.	

## APPENDIX I: List of Continuation Sheets

Attach continuation sheets for sections of this form and optional information after this page. In column 1, clearly identify the continuation sheet by listing the question number to which it relates. In column 2, enter the inclusive page numbers of the continuation sheet for each question number.

Continuation

Question Number (1)		Sheet Page Numbers (2)
704 Fletble Polymetime tom		45
704 Return CAyret Pad ME		45
9.14 Flexble Polymeth For A/B		100
9.14 Reloud Caryot Pars A, B		100-
9.19 Flex. bk Plyme linna Fear A. B		105:
14.16		<u>/z0</u>
7.06 Rebond Conjut PAD		47
		47
		· · · · · · · · · · · · · · · · · · ·
		·
		· · · · · · · · · · · · · · · · · · ·
[ ] Mark (X) this box if you attach a continuation	on sheet.	

<u>CBI</u>	Process type		Polyune thanz.	Then MG/	
	Unit Operation ID Number 7,21	Typical Equipment Type Ven TFAN Culoff Saw	Operating Temperature Range (°C)  Amhient  Amhient	Operating Pressure Range (mm Hg) 760 MM/y	Vessel Composition
•	123 7.24 7.25	TAKE AWAY CONVEYOR FOIAM STORAGE WASTE FOAM TO REDOND GEFT	Anbiert Anbiert Ambiert	760 MINTE 760 MINTES 760 MMHZ	•
		- min-			
			•		
			•		

7.04	DEACAGE	block flow dia process type	egram(s). If	a process block t.	peration identified i low diagram is provid omplete it separately	led tor morro
	Process	type	Rebond	Compet PAD	Mty Process	<del></del>
	Unit Operatio ID Number	Equ	pical ipment ype	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition
	7.20	High	es Meloring pu	mp 19-27c	100-800 FS19	
	7.21	FEAM b	owell	Ambient	<u>760 m</u>	
•	7.22	Shredd	ed Form 5.10	Ambien	Thorns	
	7.23	Ribbe	M Blerder	Ambient	760 KM	· ·
	724	Yent F	4NS	Ambient	760 AIL	
	725	Convey	lor Mold	100°-125°C	760mm	
	7.26	Screw .	Conteyor	Ambient	760 mm	<b>.</b> .
	7.27	Cut o	off SAU	Ambient	160 Muis	
	7.28	FOAM	STOPACE-	Ambent	760 mm	<u>-</u>
-	7.29	Forth1	Slittere	Ambiert	76CMM	
	7.30	LAMINA	,	27-35°C	7160MM	
-	131	LAMINATOR	ge.	Ambient	760 mr.	

<sup>[</sup>\_] Mark (X) this box if you attach a continuation sheet.

7.06 CBI	Characterize each process stream identified in your process block flow diagram(s). If a process block flow diagram is provided for more than one process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.)											
(-)	Process typ	pe REBOND	CARPET PAG	1 Inocess								
- <del></del> -	a.	<b>b.</b>	c.	d.	e.							
i.	Process Stream ID Code	Known Compounds	Concentrations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)							
	70	ColoR	20%	NA	NA ·							
` , •												
-				i								
	7F_	BENZOYL CHLORIDE	100%	NA	NA							
					-							
	• • • • • • • • • • • • • • • • • • •											
	<u>7J</u>	METHYLENE CHLORIDE	100%	NA-	UNK							
			•									

7.06 continued below

ıXı

Mark (X) this box if you attach a continuation sheet.

PAGE 3
--------

7.06 CBI	If a proce this quest instructio	ze each process stream is ss block flow diagram is ion and complete it sepa ns for further explanati	s provided for mor arately for each p lon and an example	re than one pro process type. e.)	cess type, photocop
[_]	Process ty	pe <u>REBOND</u>	CARPET PAD	Racess	
	a.	<b>b.</b>	c.	đ.	e.
s≟ ,	Process Stream ID Code	Known Compounds	Concen- trations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
	77	STEAM, Mecl,	UNK	NA	UNK
		104	·		
	7R_	STEAM	100%	NA	NA :
	<u>.</u> .				
					<u> </u>
			<u> </u>		
`					<del></del>
7.06	continued b	elow			
	٠.		•		
			•		

120

10.16	Raw Material, Intermediate and Product Storage Emissions -	- Complete the following table by providing the information on each sel containing the listed substance as identified in your process block
CBI	or residual treatment block flow diagram(s).	ser containing the fisted substance as identified in your process block
	Vessel Vessel	Vessel ing CUNFIDENTAL
ĺΩ	Floating Composition Throughput Filling Filling	Vessel ing OOM IDENTIFY: Inner Vessel Vessel Vessel Design Vent Control Basis
	Vessel Roof of Stored (liters Rate Duration	Diameter Height Volume Emission Flow Diameter Efficiency for
	Type Seals Materials per year) (gpm) (min)	(m) (m) (1) Controls Rate (cm) (%) Estimate
	Tome times due to pricing or of	her Factors, tenks are full or almost
	Eusta. Hersel Fillery dura from	
	or use dry an to unload.	Je have no verse a controls
ı	on any or our tonks so the	elore me con tansia Decin Hour
	D+ 1+01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	(cole, (45) And control Efficiency	. Tack of our torks her a 5.08 Cm
	donetry want	0
1		
,		
	<sup>1</sup> Use the following codes to designate vessel type:	<sup>2</sup> Use the following codes to designate floating most scale:
	Use the following codes to designate vessel type:  F = Fixed roof	<sup>2</sup> Use the following codes to designate floating roof seals: MS1 = Mechanical shoe, primary
	F = Fixed roof CIF = Contact internal floating roof	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof P = Pressure vessel (indicate pressure rating) H = Horizontal	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof P = Pressure vessel (indicate pressure rating)	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield VM1 = Vapor mounted resilient filled seal, primary
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof P = Pressure vessel (indicate pressure rating) H = Horizontal	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMV = Weather shield VM1 = Vapor mounted resilient filled seal, primary VM2 = Rim-mounted secondary
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof P = Pressure vessel (indicate pressure rating) H = Horizontal U = Underground	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield VM1 = Vapor mounted resilient filled seal, primary VM2 = Rim-mounted secondary VMW = Weather shield
	F = Fixed roof  CIF = Contact internal floating roof  NCIF = Noncontact internal floating roof  EFR = External floating roof  P = Pressure vessel (indicate pressure rating)  H = Horizontal  U = Underground  Indicate weight percent of the listed substance. Include	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield VM1 = Vapor mounted resilient filled seal, primary VM2 = Rim-mounted secondary VMW = Weather shield
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof P = Pressure vessel (indicate pressure rating) H = Horizontal U = Underground  Indicate weight percent of the listed substance. Include Other than floating roofs	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield VM1 = Vapor mounted resilient filled seal, primary VM2 = Rim-mounted secondary VMW = Weather shield  e the total volatile organic content in parenthesis
	F = Fixed roof  CIF = Contact internal floating roof  NCIF = Noncontact internal floating roof  EFR = External floating roof  P = Pressure vessel (indicate pressure rating)  H = Horizontal  U = Underground  **Indicate weight percent of the listed substance. Included the other than floating roofs  **Cas/vapor flow rate the emission control device was designed.	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield VM1 = Vapor mounted resilient filled seal, primary VM2 = Rim-mounted secondary VMW = Weather shield  e the total volatile organic content in parenthesis  aned to handle (specify flow rate units)
	F = Fixed roof CIF = Contact internal floating roof NCIF = Noncontact internal floating roof EFR = External floating roof P = Pressure vessel (indicate pressure rating) H = Horizontal U = Underground  Indicate weight percent of the listed substance. Include Other than floating roofs	MS1 = Mechanical shoe, primary MS2 = Shoe-mounted secondary MS2R = Rim-mounted, secondary LM1 = Liquid-mounted resilient filled seal, primary LM2 = Rim-mounted shield LMW = Weather shield VM1 = Vapor mounted resilient filled seal, primary VM2 = Rim-mounted secondary VMW = Weather shield  e the total volatile organic content in parenthesis  aned to handle (specify flow rate units)

## APPENDIX II: Substantiation Form and Instructions to Accompany Claims of Confidentiality Under the Comprehensive Assessment Information Rule (CAIR)

If you assert one or more claims of confidentiality for information submitted on a Comprehensive Assessment Information Rule (CAIR) form, please answer, pursuant to 40 CFR 740.219, all the following questions in the space provided. Type all responses. If you need more space to answer a particular question, please use additional sheets. If you use additional sheets, be sure to include the section, number, and (if applicable) subpart of the question being answered, and write your facility's name and Dun & Bradstreet Number in the lower right-hand corner of each sheet. A completed copy of this form must accompany all submissions containing one or more claims of confidentiality. Failure to do so will result in the waiver of your claim of confidentiality.

EPA has identified six information categories as those which encompass all claims of confidentiality. These are: Submitter identity (h); Substance identity (i); Volume manufactured, imported, or processed (j); Use information (k); Process information (l); and Other information (m). Respondents who assert a CBI claim on the reporting form must mark the letter(s) (h through m) that represent(s) the appropriate category(ies) of confidentiality in the box adjacent to the question, and answer the questions in this form.

Respondents who assert a CBI claim for information submitted under CAIR must also provide EPA with sanitized and unsanitized versions of their submissions. The unsanitized version must be complete and contain all information being claimed as confidential. The sanitized copy must contain only information not claimed as confidential. EPA will place the second copy of the submission in the public file. Failure to submit the second copy of the form at the time the respondent submits the reporting form containing confidential information or after receipt of a notice from EPA thereafter will result in a waiver of the respondent's claim of confidentiality.

respondent's claim of confidentiality.	
Please indicate the CAS Registry Number ( Number is not known) for the substance th CAS 26471-62-5	(if known) or chemical name (if the CAS Registry hat is the subject of this form:
the subject of this form:	ase provide the tradename for the substance that is
Does this form contain CBI? [ Yes	[ ] No
If the answer to this question is yes, you unbracketed information may be placed in	ou must bracket the text claimed as CBI. Any the public file.

[ ] Mark (X) this box if you attach a continuation sheet.

Α.	All Claims.	Respondents who assert any CBI claims must answer the following	questions
<u>in</u>	addition to	the appropriate questions from sections B through G, below:	•

- (1) For what period do you assert a claim of confidentiality? If a claim is to extend until a certain event or point in time, please indicate that event or time period. If the period indicated is longer than 2 calendar years, explain why. If different periods of protection are required for different categories of information, please so indicate.
  - Respondent's claim of confidentiality is asserted for a period of two (2) calendar years from the submission date of the CAIR form.
- (2) Has the information that you are claiming as confidential been or will it be disclosed to individuals outside your company?

If so, what, if any, restrictions apply to the use or further disclosure of the information?

(3) Briefly describe the physical and procedural restrictions, if any, within your company on the use and storage of the information you are claiming as confidential. What other steps have you taken to prevent the undesired disclosure of the information by others?

Access to the information is limited to a few persons, each of whom are parties to written agreements with the Company obligating them to maintain the confidential status of this information.

- (4) Does the information you are claiming as confidential appear or is it referred to in advertising, promotional, or safety materials for the substance or an end-product containing the substance?

Does it appear or is it referred to in professional or trade publications?

[ ] Yes [XX No

If so, indicate why the information should nonetheless be considered confidential.

[\_] Mark (X) this box if you attach a continuation sheet.

(5) If the information you wish to claim as confident public by EPA, how much difficulty would a new competithis substance, considering such constraints as capital marketing expertise, or unusual production processes?	itor have in entering the market for
Public disclosure of this information by teffect the difficulty of a new competitor substance.	he EPA should not materially entering the market for the
(6) Has EPA, another Federal agency, or a Federal Courdeterminations for information regarding this substant	
[ ] Yes [XX] No Not to our knowledge	ge.
If so, please identify the entity and provide EPA with	n copies of such determinations.
B. <u>Submitter Identity</u> (code h). Respondents who assemust also answer the following questions:	ert CBI claims for submitter identity
(1) Approximately how many competitors do you have in final product containing this substance?	the market for this substance or the
(2) What harm, if any, would result from EPA's disclos Provide detailed descriptions of both the probable har relationship between disclosure and harm.	sure of the submitter identity? om from disclosure and the causal
(3) If you have also asserted a claim of confidentiali to your company's competitive position would result fr identity if the substance identity were to remain conf	om disclosure of your company's
[_] Mark (X) this box if you attach a continuation s	heet.

conf Chem	ident ical	tance Identity (code i). Specific substance identity can be claimed as tial only if that substance identity is confidential for purposes of the TSCA Substance Inventory. Respondents who assert CBI claims for substance idention answer the following questions:	
(1)	(a)	Has the substance been patented or disclosed in a patent in the U.S. or elsewhere?	
		[ ] Yes	
		If so, indicate the relevant patent(s) and the reasons why the substance id should nonetheless be considered confidential.	entity
		Patent Number:	
	(b)	Exactly what information which does not appear in the patent would be discled to competitors by releasing the specific substance identity? Explain in de how competitors could use this information.	
			_
			•
		· · · · · · · · · · · · · · · · · · ·	•
	(c)	Since the patent provides protection for the substance, why are you asserti confidentiality?	ng
	(c)		ng
(2)	(c)	confidentiality?	
(2)		In what form (i.e., product, effluent, emission, etc.) does this substance	
(2)		In what form (i.e., product, effluent, emission, etc.) does this substance	
(2)		In what form (i.e., product, effluent, emission, etc.) does this substance	
(2)		In what form (i.e., product, effluent, emission, etc.) does this substance your site?	leave
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance your site?  What measures have you taken to guard against the discovery of the substance.	leave
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance your site?  What measures have you taken to guard against the discovery of the substance.	leave
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance your site?  What measures have you taken to guard against the discovery of the substance.	leave
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance your site?  What measures have you taken to guard against the discovery of the substance.	leave
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance your site?  What measures have you taken to guard against the discovery of the substance.	leave
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance your site?  What measures have you taken to guard against the discovery of the substance.	leave

(b) 1	your competito [ } Yes Is it likely to analyze the su [ ] Yes	ors, can the sub [ ] No that a competito	stance be i	dentified by	analysis of	
(b) 1	your competito [ } Yes Is it likely to analyze the su [ ] Yes	ors, can the sub [ ] No that a competito ubstance?	stance be i	dentified by	analysis of	the product?
(b) 1	Is it likely analyze the su	that a competito	or has attem	pted or will	attempt to c	chemically
	analyze the su	ubstance?	or has attem	pted or will	attempt to	chemically
•		[ ] No				
,	Would the cost					
(c) 1		t and difficulty	of such an	alysis be gre	at or small:	Why?
	•					•
						•
(5) Vauld	nublic disal	osure of the spe	ocific chemi	cal identity	reveal to v	our competitors
the use of	the substance	e or the process	s by which t	his substance	is manufac	tured?
						•
	,					
				÷		
[ ] Mark	(X) this box	if you attach	a continuat:	on sheet.		

- D. Volume Manufactured, Imported, or Processed (code j). Respondents who assert CBI claims for volume manufactured, imported, or processed must also answer the following questions:
- (1) If you have also claimed submitter's name as confidential and EPA keeps confidential the link between your company identity and the volume manufactured, imported, or processed, your identity will not be associated in any way with that volume. In this case, what harm to your company's competitive position would result from disclosing that volume? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
- (2) If you have also claimed substance identity as confidential and EPA keeps confidential the link between the substance identity and the volume manufactured, imported, or processed, the substance identity will not be associated in any way with that volume. In this case, what harm to your company's competitive position would result from disclosing that volume? How could a competitor use that information? What is the causal relationship between the disclosure and the harm?
- (3) If you have claimed neither submitter nor substance identity as confidential, what harm, if any, would result from release of your volume manufactured, imported, or processed? Provide a detailed description of both the harm and the causal relationship between disclosure and harm.

The geographic markets for flexible polyurethane foam are quite localized and distinct due to the high cost of transporting this high volume - low density product. The respondent is a producer of flexible polyurethane foam who vigorously competes for sales of this product in each of the geographic markets in which its several foam manufacturing plants are situated. Knowledge by a competitor of the amount of the substance E. Use Information (code k). Respondents who assert CBI claims for use information must also answer the following questions:

(1) If you have also claimed submitter identity as confidential and EPA keeps confidential the link between your company identity and the use data, your identity will not be associated in any way with the use data. In this case, what harm to your competitive position would result from disclosing the use data? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

<sup>[</sup>x] Mark (X) this box if you attach a continuation sheet.

used by respondent's foam manufacturing operation could be used to closely approximate the amount of flexible polyurethane foam produced and sold by that operation in the local market. This is very valuable information to a competitor because with it he would be able to gauge the success, or otherwise, of the respondent's marketing techniques and specialities and, to respondent's detriment, fashion his marketing strategy to exploit the respondent's strengths and weaknesses.

The amount of foam produced may also be closely estimated with knowledge of the average number of hours and days the process was operated during a year.

Answer: D(3) Hickory Springs of California, Inc. 14-852-2436

- (3) If you claimed neither submitter nor substance identity as confidential, what harm, if any, would result from release of your process information? Provide a detailed description of both the harm and the causal relationship between the disclosure and the harm.
- G. Other information (code m). Respondents who assert CBI claims using the "other information" category, must also answer the following questions:
- (1) Is the item confidential in and of itself, or is it confidential because it will reveal some other confidential information, whether or not that other information is reported on this form? If the latter, what is the information that will be revealed, and how would disclosure of the item in turn lead to disclosure of the other information?
- (2) Describe with specificity the harm to your company's competitive position which would result from disclosing the information.

The respondent believes that a competitor's knowledge of the price it pays for the substance, which is an important constituent of its flexible polyurethane foam, would allow that competitor to better estimate respondent's cost of respondent's foam products allowing such competitor an unfair advantage in price competition. Also, if respondent by its (3) If you have also claimed submitter identity as confidential and EPA keeps confidential the link between your company identity and this information, your identity will not be associated in any way with the item claimed. In this case, what harm to your competitive position would result from disclosing the item? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

- (4) If you have also claimed substance identity as confidential and EPA keeps confidential the link between the substance identity and the item, the substance identity (other than category name) will not be associated in any way with the item claimed. In this case, what harm to your company's competitive position would result from disclosing the item? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
- $[\overline{X}]$  Mark (X) this box if you attach a continuation sheet.

own bargaining prowess has an advantageous price for the substance, a competitor could utilize such information as leverage to force a price concession from the substance supplier, to the respondent's disadvantage.

Answer: G(2) Hickory Springs of California, Inc. 14-852-2436

individuals immediately responsible for obtain information is true, accurate, and complete.  JAMES H. TACKER	$\prod$	loui.	6/29/89
NAME	SIGNATU		DATE SIGNED
West Coast Personnel Mange		( <u>2</u> 3_) <u>76</u>	6 - 0422 PHONE NO.
	·		